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The Engineer

Tabular Summary of Civil Engineering Contracts, 1954

ON the pages of this Supplement there will be found tables giving some brief particulars of important civil engineering schemes upon which work was proceeding during 1954. Only those schemes for which contracts have already been awarded or are just about to be awarded have been included. The information upon which the tables have been based was obtained from Consulting Engineers, Port Authorities, River Boards, Water Authorities, some steel companies, the London County Council, British Transport Commission, (British Railways, Docks and Waterways, and the London Transport Executive), the Ministry of Transport and Civil Aviation and certain oil companies. Our thanks are due to all the firms and organisations that have co-operated with us.

The tables are for the most part self-explanatory. Many bodies, such as River Boards and Port Authorities, have their own engineering staffs and employ no consulting engineers. In such cases the body concerned is entered in the second column as the supervising authority. In some cases where the chief engineer or other official of the purchasing authority has acted in conjunction with the consulting engineers or is himself directing the work his name is entered in italics. The entries under " Nature of Scheme and Notes " are designed to convey an impression of the nature and also the magnitude of the works, but do not necessarily mention more than the more important items. They include reference to any features of particular interest. Sub-contractors are excluded from the " Contractors " column, and only if responsible for a very substantial part of the work are contractors other than those for civil engineering works mentioned. The " Estimated Cost " is that of the complete scheme except where the alignment shows it to be that of one of the component contracts.

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Works such as dams, bridges and tunnels are included under the relevant heading in the above list.

Contracts below £50,000 in value are not included in the Supplement unless they form part of a larger scheme. In the sections " Steelworks " and " Structural and Industrial," contracts valued below £100,000 are not included.

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Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		AIRPORTS		£		
HOME						
Ministry of Civil Aviation	Blyth & Blyth	Renfrew Airport : terminal buildings	A. A. Stuart & Sons (Glasgow), Ltd.	150,000	Apr., 1953	Dec., 1954
	Sir William Halcrow & Partners ; Ewbank & Partners, Ltd.; G. H. Buckle & Partners	London Airport : central terminal buildings and area heating stations	Taylor Woodrow, Ltd.; Redpath Brown & Co., Ltd.	4,000,000	Oct., 1951	1956
British European Airways	Scott & Wilson, Kirkpatrick & Partners ; Roger Preston & Partners ; Barlow, Leslie & Partners	London Airport : hangars, workshops, road and drainage ; staff catering block	Holland & Hannen and Cubitts, Ltd.	2,400,000	July, 1950	Oct., 1954
ABROAD						
Govt. of Tanganyika ..	Sir Alexander Gibb & Partners	New airport at Dar-es-Salaam : site development, civil engineering works	Tanganyika Eng. & Constr. Co. (1950), Ltd.	550,000	June, 1951	Oct., 1954
Hong Kong Govt.... ...	Scott & Wilson, Kirkpatrick & Partners, Hong Kong	Kai Tak Airport : site development, reclamation and terminal buildings	Not yet let	5,000,000	—	—
Nyasaland Govt.	Scott & Wilson. Kirkpatrick & Partners, Nyasaland	Airport at Salima	Ditto	125,000	—	—
Hashemite Kingdom of the Jordan	Frederick S. Snow & Partners	Kalandia Airport : extension to runway and other works	Said Awad Bros. & Co.	80,000	Oct., 1953	1954
		Amman Airport : central terminal buildings and taxi tracks	Tabba'a & Nemeh Co.	129,000	1954	1955
		Jerusalem Airport : terminal buildings	Not yet let	80,000	1955	1955
		COAST PROTECTION				
HOME						
Prestwick T.C.	Crouch & Hogg	Sea wall repairs and protection	G. Dew & Co.	50,000	1954	1955
Norfolk and Suffolk Coastline	East Suffolk and Norfolk River Board ; *K. E. Cotton*	Construction of r.c. sea wall, Aldeburgh	W. & C. French, Ltd....	80,000	1954	1955
		Construction of groynes, Horsey	Ditto	68,000	1954	1955
		Construction of sea walls and embankments, Felixstowe	Not yet let	94,000	1954	1955
		Reconstruction of tidal river embankment : River Alde, Orford-Sudbourne	Ditto	66,000	1954	1955
		Reconstruction of tidal river embankment : Butley River	J. Wyatt, Jnr., Ltd.	51,000	1954	1955
Cooden Foreshore ...	East Sussex River Board ; *C. H. H. Mercer*	Construction of timber and faggot groynes, strengthening of shingle bank	Direct labour	80,000	1954	1958
Essex Coast	Essex River Board ; *E. L. Snell*	Reconstruction of sea and estuarial embankments ; precast block facing of embankments, steel sheet pile and r.c. walls, &c.	W. & C. French, Ltd.; J. Howard, Ltd.; G. Wimpey & Co., Ltd.; Herts Plant Hire, Ltd.; J. Gerrard & Sons, Ltd.; Demolition & Constr. Co., Ltd.; J. Laing & Sons, Ltd.; Tarmac; J. T. Mackley & Co., Ltd.	1,366,554	1954	1955
			Direct labour	488,997	1954	1955
Hornsea U.D.C.	John H. Haiste & Partners...	Sea defences	A. Waterman, Ltd.; part not yet let	116,000	1951	—
Withernsea U.D.C. ...	Ditto	Sea defences	G. Dew & Co., Ltd.; part not yet let	520,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**COAST PROTECTION** *(continued)*		£		
North Kent Coast... ...	Kent River Board ; *J. I. Taylor*	Closure of breaches in sea defences following 1953 storm surge ; reconstruction of 40 miles of sea wall ; reconstruction and improvement of 55 miles of sea wall ; construction of 9 miles of counterwalls and 23 new tidal outfall sluices ; reconstruction of 49 tidal outfall sluices ; construction of 45 miles of access roads	Holloway Bros. (London), Ltd.; Mears Bros. (Contrs.), Ltd.; Demolition & Constr. Co., Ltd.; Marples Ridgway & Partners, Ltd.; Sir R. McAlpine & Sons, Ltd.; Hilton Sarsfield, Ltd.; J. T. Mackley & Co., Ltd.; Taylor Woodrow Constr., Ltd.; Rush & Tompkins, Ltd.; J. Mowlem & Co., Ltd.; H. Alford ; J. W. Ellingham, Ltd.	10,100,000	1953	1954
Seaham	Lewis & Duvivier	Coast protection scheme on magnesian limestone formation	R. Robinson & Co. (Contrs.), Ltd. part not yet let	194,000	May, 1952	June, 1956
Isle of Sheppey	Ditto	Combined flood prevention and coast protection scheme at Leysdown	Hilton Sarsfield, Ltd.	165,000	Sept., 1953	1956
Freshwater Bay, Isle of Wight	Ditto	Concrete sea walls and aprons ; steel sheet piled and concrete sea walls and groyning	Wall Bros., Ltd.	23,000	Nov., 1951	Apr., 1954
Aberystwyth B.C.	Ditto	Low-level reinforcement of existing defences ...	R. Robinson & Co. (Contrs.), Ltd.	110,000	Nov., 1948	Aug., 1954
Havant and Waterloo U.D.C.	Ditto	Sea defences at Eastoke, Hayling Island	Ditto	220,000	Apr., 1946	May, 1954
Whitstable U.D.C. ...	Ditto	Sea defences and flood prevention works, heightening to post-surge standard	Ditto	150,000	Nov., 1951	1956
Selsey Sea Defence Scheme	Ditto	Stabilisation of the Selsey peninsula and the rapidly eroding coastline to the east of it by stages : sheet piled and articulated groynes : breastworks and walls	R. Robinson & Co. (Contrs.), Ltd.	300,000	June, 1953	—
Aberystwyth R.D.C. ...	Ditto	Flood prevention and coast protection works at Borth : groynes and breastworks	Not yet let	50,000	Jan., 1955	Sept., 1955
Narberth R.D.C.	Ditto	Amroth coast protection scheme (Pembrokeshire): concrete and masonry sea wall ; concrete, steel and timber groynes	R. Robinson & Co. (Contrs.) Ltd.; M. Maclean	46,000	July, 1951	Dec., 1955
Aberayron U.D.C. ...	Ditto	Concrete walls, steel and timber groynes ; permeable steel and rubble breakwater	R. Robinson & Co. (Contrs.), Ltd.	41,000	Mar., 1954	July, 1955
Southwold B.C.	Ditto	New sea walls, reinforcement of existing defences and construction of timber groynes	R. Robinson & Co. (Contrs.), Ltd.; May, Gurney & Co.	105,000	Nov., 1948	Oct., 1955
Norfolk Coastline: East Suffolk and Norfolk River Board	Ditto	Sea walls and groynes, Sea Palling to Winterton ...	J. Laing & Son, Ltd.; Harbour & General Works, Ltd.	494,000	Jan., 1953	1955
Aldeburgh B.C.	Ditto	New sea walls ; reinforcement of existing defences and construction of timber groynes	R. Robinson & Co. (Contrs.), Ltd.; May, Gurney & Co.	66,000	Jan., 1948	Sept., 1955
Lincolnshire Coast ...	Lincolnshire River Board ; *F. H. Tomes*	Extension and repair of old, and construction of new, groynes between Mablethorpe and Skegness	Harbour & General Works, Ltd.; W. G. C. Hammond, Ltd.; Holloway Bros. (London), Ltd.	414,000	Apr., 1954	1955
R.D.C.s of Erpingham; Mundesley; Smallburgh; Blofield and Flegg; and Lothingland	S. W. & P. S. Mobbs... ...	Construction of steel piled r.c. sea walls and permeable steel groynes and revetments	May, Gurney & Co., Ltd.; M. Maclean	450,000	1953	1955
			Not yet let	300,000	—	—
Tynemouth Corpn. ...	M. Nachshen	Reconstruction of sea wall ; reshaping and draining cliffs	R. Costain & Co., Ltd.	65,000	June, 1954	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		COAST PROTECTION (*continued*)		£		
HOME						
Colwyn Bay	Scott & Wilson, Kirkpatrick & Partners	Construction of sea walls and groynes...	A. E. Farr, Ltd.	50,000	Oct., 1953	Dec., 1954
Hunstanton U.D.C. ...	Ditto	Construction of sea walls and groynes...	R. Robinson & Co. (Contrs.), Ltd.	75,000	Nov., 1954	Nov., 1955
Llanfairfechan U.D.C. ...	Ditto	Construction of concrete sea wall and groynes...	A. E. Farr, Ltd.	75,000	Aug., 1952	Dec., 1954
Llandudno U.D.C. and Colwyn Bay B.C.	Ditto	Construction of concrete sea wall and groynes at Penrhyn Bay	Ditto	145,000	June, 1954	June, 1956
Felpham Sea Wall... ...	West Sussex River Board; *J. R. A. Garland*	Reinforced concrete wall with steel sheet piling...	Bierrum & Partners, Ltd.	135,000	May, 1954	Feb., 1955
Lincolnshire River Board	Wilton & Bell; C. H. Dobbie	Sea defences, Lincolnshire	Sir R. McAlpine (Midlands), Ltd.; W. Moss & Sons, Ltd.; Tarmac, Ltd.	800,000	Mar., 1953	Apr., 1954
		DISTRICT HEATING				
HOME						
Westminster City Council	Kennedy & Donkin; Scott & Wilson, Kirkpatrick & Partners	District heating for (1) Churchill Gardens Estate, (2) Abbots Manor Estate	Sulzer Bros. (London), Ltd.; G. N. Haden & Sons; Ellis (Kensington), Ltd.	300,000	1953	(1) 1960 (2) 1955
		DRAINAGE AND SEWAGE WORKS				
HOME						
Alloa T.C.	Babtie, Shaw & Morton ...	Trunk sewer in tunnel, King Street	Crowley, Russell & Co., Ltd. ...	62,000	Nov., 1953	June, 1955
Ayr C.C.: Netherthird and Cumnock Drainage	Ditto	Outfall sewer and purification works	F. J. C. Lilley and Brydon Constr. Co.	175,000	May, 1952	1954
Drongan Drainage ...	Ditto	Outfall sewer and purification works	Wilson, Kinmond & Marr, Ltd., and others	90,000	Nov., 1952	1955
West Lothian C.C.... ...	Ditto	Sewerage and sewage purification works, Fauldhouse	Casey & Darragh (part)	90,000	Oct., 1954	June, 1956
		Sewerage and sewage purification works, Blackridge	J. Smart (Edin.) (part)	70,000	Oct., 1954	Nov., 1956
		Sewerage and sewage purification works, Blackburn	Not yet let	88,000	Dec., 1954	—
Kilmarnock T.C.	Ditto	78in dia. sewer extension and storm tank	Ditto	110,000	1955	—
Lossiemouth T.C.... ...	Ditto	30in dia. sea outfall, relief sewers and pumping station	W. Briggs & Sons, Ltd., and others	50,000	1954	1955
Grangemouth T.C.: Airfield Site	Ditto	2 miles roads, ½ mile 30in to 42in sewers, ½ mile 12in. dia. spun iron water mains and distribution piping	Not yet let	167,000	Jan., 1955	Oct., 1956
Altrincham	D. Balfour & Sons	Sewerage, sewage disposal and surface water drainage, phase I	Ditto	600,000	1955	—
Berkhamsted U.D.C. ...	Ditto	Reconstruction of sewage disposal works	Ditto	82,000	Jan., 1955	June, 1956
Boldon U.D.C.	Ditto	Main sewerage and surface water drainage ...	G. Bailey, Ltd.	143,000	Oct., 1951	—
Borough of Blyth	Ditto	Cowpen area sewerage and sewage disposal ...	Ditto	73,000	Nov., 1954	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Clare R.D.C.	D. Balfour & Sons	Clare sewerage and sewage disposal	Not yet let	96,000	Dec., 1954	1956
Colne Valley U.D.C. ...	Ditto	Sewerage	Ditto	240,000	1955	—
Doncaster R.D.C. ...	Ditto	Norton sewerage and sewage disposal...	A. Eastwood & Sons, Ltd.... ...	83,000	June, 1953	Dec., 1954
Eastry R.D.C.	Ditto	Wingham sewerage and sewage disposal	M. J. Gleeson, Ltd.	125,000	Oct., 1954	1956
Filey U.D.C.	Ditto	Main sewerage...	Ruddock & Meighan, Ltd. ...	175,000	Dec., 1954	Dec., 1956
Hatfield R.D.C.	Ditto	Hatfield New Town : sewerage	Ditto	108,000	Aug., 1953	Dec., 1954
		Sewerage and surface water drainage	Not yet let	200,000	1955	—
Hitchin R.D.C.	Ditto	Knebworth flood relief sewer	Ormac Constr. Co., Ltd.	56,000	Nov., 1954	1955
Maryport U.D.C.	Ditto	Sewerage	P. A. Baines, Ltd.	150,000	Aug., 1951	Nov., 1954
Peterlee Development Corpn.	Ditto	Storage tank and sea outfall	Not yet let	100,000	1955	—
St. Albans R.D.C. ...	Ditto	Sewerage	P. P. Taylor (Doncaster), Ltd. ...	200,000	Dec., 1950	Sept., 1954
Stevenage Development Corpn.	D. Balfour & Sons ; J. D. & D. M. Watson	Middle Lee regional scheme ; north-western outfall sewer	W. & C. French, Ltd.; Tersons, Ltd.	1,080,000	Jan., 1952	1954
Wycombe R.D.C. ...	D. Balfour & Sons	Prince's Risborough sewage disposal works ...	Not yet let	75,000	1955	—
		Wooburn Valley sewerage and sewage disposal ...	Ditto	950,000	1955	—
Bedford R.D.C.	Binnie, Deacon & Gourley	18 miles stoneware sewers, 3½ miles asbestos-cement rising main, 11 pumping stations and three disposal works	Kottler & Heron, Ltd.	362,000	1954	—
Boston R.D.C. (Fishtoft and Wyberton)	Ditto	Sewers, pumping stations and two sewage disposal works	Stimpson & Rollston, Ltd.... ..	160,000	1953	—
Minworth Works ..	Birmingham Tame & Rea District Drainage Board ; *F. C. Vokes*	Reconstruction of 9 acres of bacteria beds ; construction of four 80ft dia. humus tanks and other works	Direct labour	356,400	July, 1948	1954
Langley Mill Works Extensions	Ditto	Sedimentation tanks, percolating filters and humus tanks ; sludge digestion tanks and drying area	Ditto	98,100	June, 1953	1955
		Sludge digestion plant	Not yet let	800,000	1955	—
Blackburn R.D.C.... ...	Arnold Brooksbank	Sewerage and sewage disposal	Billington, Langho & Copster Green	102,000	—	—
Burgh of Largs	Carter & Wilson	Screening and pumping station ; 30in outfall ...	Whatlings, Ltd.	60,000	Feb., 1954	Dec., 1954
Royal Burgh of Dumfries	Ditto	Sewage purification works and pumping station...	Edinburgh Bldg. Contrs., Ltd....	180,000	Oct., 1952	1956
North Thames Gas Board	Brian Colquhoun & Partners	Effluent treatment plant at tar and ammonia products works, Beckton	Not yet let	155,000	1954	1955
Longbenton Housing Estate : Newcastle City and C.C.	Ditto	Footpaths, carriageways and estate sewers... ...	Sir R. McAlpine & Sons (Newcastle-upon-Tyne), Ltd.	358,000	Aug., 1952	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Barrow - upon - Soar R.D.C.	A. P. I. Cotterell & Son ...	Outfall sewer, pumping station and rising main ; disposal works, Queniborough	Gee, Walker & Slater, Ltd. ; Stanton Ironworks Co., Ltd. ; Gwynnes Pumps, Ltd.	115,000	Nov., 1953	Mar., 1955
Depwade R.D.C.	Ditto	Sewerage and disposal works for various parishes	H. Pointer (Norwich), Ltd. ; A. J. Holloway, Ltd.	77,000	Feb., 1951	—
Dursley R.D.C.	Ditto	Sewers and disposal works for Dursley and various parishes	Not yet let	260,000	—	—
Borough of Glastonbury	Ditto	Sewage and trade effluent disposal works	Ditto	170,000	—	—
Borough of Kidwelly ...	Ditto	6¾ miles of sewers, disposal works and sea outfall	Glyn Davies, Kidwelly, Ltd. ...	93,000	Dec., 1951	—
Lothingland R.D.C. ...	Ditto	Sewerage and disposal works for various parishes	A. J. Holloway, Ltd.	24,000	Mar., 1951	—
			Not yet let	160,000	—	—
Walsingham R.D.C. ...	Ditto	Sewerage and disposal works for various parishes	F. W. Shanks, Ltd.	112,000	Jan., 1952	—
Dunfermline T.C.	Crouch & Hogg	Storm relief sewers 36in to 72in dia.	J. Drysdale & Co., Ltd. ; J. Young (Contrs.), Ltd.	284,000	1951	1955
Carnoustie T.C.	Ditto	Storm relief sewer and pumping plant	W. Briggs & Sons, Ltd. ; Drysdale & Co., Ltd.	65,000	1952	1955
Stirling T.C.	Ditto	Main drainage	D. McBride & Co.	100,000	1954	1956
Holderness R.D.C. ...	John Dossor	Sewerage	Cawood Wharton & Co., Ltd. ...	66,000	1954	—
Driffield U.D.C.	Ditto	Sewerage and sewage disposal	Not yet let	158,000	1955	—
Shardlow R.D.C.	Elliott & Brown	Sandiacre regional sewerage and sewage disposal	F. Earnshaw, Ltd.	170,000	Jan., 1951	1954
		Various schemes of sewerage and sewage disposal	—	220,000	—	—
Hawarden R.D.C.... ...	Ditto	Queensferry and Sealand sewerage and sewage disposal works	Whitley Bros.	170,000	July, 1953	1954
Kiveton Park R.D.C. ...	Ditto	North Anston sewage disposal	—	50,000	July, 1954	—
West Kesteven R.D.C....	Ditto	Sewerage and sewage disposal schemes at Skillington, Gt. Gonerby, Colsterworth, &c.	C. S. Tomlinson (Skillington) ; E. Somerfield & Sons, Ltd.; others not yet let	76,000	1953	1954
Lexden and Winstree R.D.C.	Ditto	Tiptree sewerage and sewage disposal...	F. R. Hipperson & Son, Ltd. ...	75,000	1951	1954
		West Bergholt sewerage and sewage disposal ...	—	65,000	—	—
Long Eaton U.D.C. ...	Ditto	Sewage disposal works extensions	—	235,000	1954	—
Stafford R.D.C.	Ditto	Gt. Haywood, Ilford, Brocton and Walton sewerage	—	100,000	—	—
Forehoe and Henstead R.D.C.	Ditto	Poringland and Hethersett sewerage and sewage disposal	—	130,000	1954	—
Newark R.D.C.	Ditto	Balderton sewage disposal	—	50,000	1954	—
		Farndon sewerage and sewage disposal	—	50,000	1954	—
Beeston and Stapleford U.D.C.	Ditto	Sewage disposal works extension...	—	175,000	1954	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**DRAINAGE AND SEWAGE WORKS** (*continued*)		£		
Colne Valley Sewerage Board	Sandford Fawcett & Partners	Extensions to sedimentation, aeration and final tanks	Howard Farrow, Ltd.	142,000	1954	1956
		Sewers : 880 yards, 55in by 66in (tunnel sewer) ; 2750 yards, 42in ; 920 yards, 12in and 9in	A. Waddington & Son, Ltd. ...	441,790	Nov., 1952	1954
		Sewers : 3720 yards, 39in and 36in ; 550 yards, 21in ; 180 yards, 12in and 9in	Howard Farrow, Ltd.	316,001	Nov., 1952	1954
		Sewers : 1020 yards, 39in to 27in; 70 yards, 18in	Ditto	67,000	Sept., 1951	1954
		Sewers : 3440 yards, 30in; 250 yards, 27in; 1320 yards, 21in to 15in ; 2630 yards, 9in	Ditto	255,558	Oct., 1954	1956
		Sewers ; 215 yards, 27in; 1410 yards, 24in; 715 yards, 21in to 15in; 595 yards, 9in	Not yet let	190,000	—	—
Birkenhead Corpn. ...	Ditto	Sewage pumping station, storm tanks and ancillary works	H. Boot & Sons, Ltd.	102,344	Mar., 1954	1955
Abergele U.D.C.	Ditto	Sea outfall, tidal storage tank, pumping station, two ejector stations and sewers	J. McGeoch & Sons, Ltd.	96,957	Nov., 1954	1956
Hayes and Harlington U.D.C.	Ditto	Sewers	Not yet let	86,000	Jan., 1955	—
St. Helens B.C.	Ditto	Reconstruction of Parr sewage works	Sir A. McAlpine & Son, Ltd. ...	92,800	Dec., 1952	1954
			Simon Carves, Ltd.	600,000	Sept., 1953	1955
B.E.A. : St. Helens ...	Ditto	Effluent pumping mains to Bold power station ...	Sir A. McAlpine & Son, Ltd. ...	86,410	Nov., 1952	1954
Melford R.D.C.	Ditto	Nayland sewerage and sewage disposal works ...	W. B. Kingsbury & Son, Ltd. ...	53,000	Sept., 1953	1954
Borough of Cleethorpes	John H. Haiste & Partners	Storm water sewers, sea outfall sewer and pumping station, trunk sewer	Winton Constr. Co., Ltd.; Sulzer Bros. (London), Ltd.; H. Farrow, Ltd.; Stanton Ironworks Co., Ltd.; H. Boot & Sons, Ltd.	180,000	1951	1955
Borough of Fleetwood ...	Ditto	Storm water pumping stations and sea outfalls ...	Harbour & General Works, Ltd.; Stanton Ironworks Co., Ltd.; Sulzer Bros. (London), Ltd.; Staveley Iron & Chemical Co., Ltd.; Foraky Boring & Shaft Sinking Co., Ltd.	192,000	1954	1955
Horsforth U.D.C.	Ditto	Reconstruction of sewage disposal works	A. Waterman, Ltd.; Ames Crosta Mills Co., Ltd.; Dorr-Oliver & Co., Ltd.	103,000	1951	1954
Clowne R.D.C.	Ditto	Sewers and sewage disposal works, Creswell ...	J. F. Finnegan & Co.; Adams-Hydraulics, Ltd.	131,000	1954	1955
Cheltenham R.D.C. ...	Ditto	Sewerage and sewage disposal works, Bishop's Cleeve	Farrer, Costelloe & Kemple, Ltd.	80,000	1953	1955
Borough of Tewkesbury	Ditto	Sewerage and sewage disposal works	Wallwin (Pumps), Ltd.; Costelloe & Kemple, Ltd.	110,000	Mar., 1953	1955
Borough of Bridlington...	Ditto	Sewerage and sewage disposal works	Cawood, Wharton & Co., Ltd.; F. Pilkington & Sons, Ltd.; part not yet let	150,000	1954	1956
Glanford Brigg R.D.C. : Borough of Scunthorpe	Ditto	Sewerage and sewage disposal works, Bottesford and Scunthorpe	P. P. Taylor (Donc.), Ltd. ; Holmpress Piles, Ltd.; Adams-Hydraulics, Ltd.	100,000	1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Gainsborough R.D.C.	John H. Haiste & Partners	Sewerage and sewage disposal works, Morton ...	H. Boot & Sons, Ltd.; Holmpress Piles, Ltd.; Adams-Hydraulics, Ltd.; Wallwin (Pumps), Ltd.; Clayton & Thornhill	51,000	1952	1954
Welton R.D.C.	Ditto	Bunkers Hill and Nettleham sewerage and sewage disposal	Butterley Co.; Adams-Hydraulics, Ltd.; W. E. Farrer, Ltd.	120,000	1955	1966
Louth R.D.C.	Ditto	Tetney, North Thoresby and Holton-le-Clay sewerage and sewage disposal	Winton Constr. Co., Ltd.; Hughes & Lancaster, Ltd.; part not yet let	120,000	1953	—
City of Kingston upon Hull	City of Kingston upon Hull; John H. Haiste & Partners	Somerden Road sewer	Earth & General Contracts, Ltd.	83,000	1953	1954
Abingdon R.D.C. ...	Howard Humphreys & Sons	Main drainage of southern parishes	Not yet let	120,000	Jan., 1955	1957
Cranbrook R.D.C. ...	Ditto	Main drainage of Hawkhurst	Ditto	61,000	Oct., 1954	1956
Wokingham R.D.C. ...	Ditto	Extensions to Marsh Farm sewage works	W. Young	51,000	Sept., 1954	1955
Bicester U.D.C.	Ditto	Sewage disposal works	Smith Bros.	80,000	Nov., 1954	1955
Abingdon R.D.C. ...	Ditto	Extensions to main drainage of Wootton Road...	Ruddock & Meighan, Ltd. ...	70,000	Sept., 1954	1955
St. Ives R.D.C.	Ditto	Main drainage of Somersham	A. E. Farr, Ltd.; Pulsometer Eng. Co.	152,000	1954	Aug., 1956
Richmond Main Sewerage Board	Ditto	Reconstruction of sewage works	Balfour Beatty & Co.; Harland & Wolff, Ltd.; Hathorn, Davey & Co., Ltd.; Hartleys (Stoke-on-Trent), Ltd.; G. Waller & Co., Ltd.; Duncan Watson; and others	891,000	1948	1954
Chichester R.D.C. ...	Ditto	Main drainage of East and West Wittering... ...	Bridgewater Bros., Ltd.; Adams Hydraulics, Ltd.	220,000	1951	1954
Letchworth & Baldock U.D.C.	Ditto	Extensions to sewage disposal works, power house and administration building	Howard Farrow, Ltd.; J. Wilmot & Sons, Ltd.	353,000	1951	1954
Henley R.D.C.	Ditto	Sewers and sewage disposal works at Goring-on-Thames	Tilbury Constr. Co., Ltd.	80,000	1954	1955
Borough of Weymouth & Melcombe Regis	Ditto	Main drainage of Preston	Not yet let	100,000	1955	—
Wokingham R.D.C. ...	Ditto	Main drainage of Woodley area	W. & C. French, Ltd.	114,000	1953	1955
Merthyr Tydfil Corpn.	Sir Herbert Humphries & McDonald	Extensions to main drainage scheme: pipes up to 30in dia., 300 yards under heading	C. V. Buchan & Co., Ltd.	55,000	1953	1954
Chapel-en-le-Frith R.D.C.	Husband & Co.	Main drainage at Edale	Z. & W. Wade (Whaley Bridge), Ltd.	65,000	1953	1954
Wortley R.D.C.	Ditto	Extensions to sewerage system	J. F. Finnegan & Co. (Sheffield), Ltd.	80,000	1950	1954
Dorking and Horley R.D.C. ...	G. B. Kershaw & Kaufman	Sewerage of Charlwood	Not yet let	75,000	1955	—
Bebington Corpn.	Ditto	8ft diameter sewer; storage tanks; 8ft diameter outfall to H.W.M.; and 48in outfall to L.W.M.	C. V. Buchan & Co., Ltd.... ...	345,000	Sept., 1950	June, 1954
		Dibbin Valley trunk sewer	Not yet let	250,000	1955	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Hazel Grove & Bramhall U.D.C.	G. B. Kershaw & Kaufman	Extensions to treatment works	Not yet let	217,000	1955	—
Norman Cross R.D.C...	Ditto	11½ miles sewers, 7in to 18in; five pumping stations and rising mains	Hadsphaltic Constr. Co., Ltd. ..	120,000	Oct., 1950	Nov., 1954
Old Fletton U.D.C. ..	Ditto	Extensions to treatment works	Bosworth & Wakeford, Ltd. ..	50,000	May, 1953	Mar., 1955
Marple U.D.C.	Ditto	Trunk Valley sewer...	Not yet let	75,000	1955	—
South Kesteven R.D.C...	Ditto	3¼ miles of sewers, 7in and 9in ; three pumping stations and extensions to treatment works	Hadsphaltic Constr. Co., Ltd. ...	80,000	Apr., 1951	Apr., 1954
		1½ miles of sewers, 7in and 9in, pumping station and treatment works	Walter G. Birch (Harrogate), Ltd.	53,000	Sept., 1952	June, 1954
		8¾ miles of sewers, 7in to 15in, six pumping stations and treatment works	C. V. Buchan & Co., Ltd.	330,000	Mar., 1954	Sept., 1956
Swinton and Pendlebury Corpn.	Ditto	2½ miles of sewers, 9in to 36in	J. Gerrard & Sons, Ltd.	150,000	Dec., 1951	Nov., 1954
Sale Corpn.	Ditto	Dredging of Brooks' Drain ; construction of trunk sewers, up to 6ft 6in dia.; and extensions to treatment works	G. Dew & Co., Ltd.; part not yet let	880,000	1953	—
Wem U.D.C....	Ditto	Sewerage	P. Prendergast, Ltd.; part not yet let	50,000	1954	—
Whittlesey U.D.C.... ...	Ditto	5½ miles sewers, 9in and 12in, and two pumping stations	Marriott & Walker, Ltd.; Winton Hayes, Ltd.	68,000	Apr., 1951	Mar., 1955
Wilmslow U.D.C. ...	Ditto	1½ miles steel sewers, 9in to 30in	Yarwood's (Altrincham), Ltd. ..	107,000	June, 1952	Oct., 1954
Castle Ward R.D.C. ...	Eric G. Lediard	Roads, sewers, surface water drains, street lighting, &c.	C. S. Bunch & Son	80,000	Jan., 1951	Nov., 1954
		Sewerage and sewage disposal works, Stamfordham	Ditto	45,000	Jan., 1954	Mar., 1955
		Main drainage, Ponteland, Darras Hall, and Woolsington	Not yet let	283,000	Dec., 1954	Mar., 1957
Billingham U.D.C. ...	Ditto	Roads, sewers, surface water drains, street lighting, &c.	Middleton & Co. (Blackpool), Ltd.	107,000	Dec., 1951	Mar, 1955
Forestry Commission, Kielder Village	Ditto	Water supply and sewage disposal works	W. Arnott McLeod & Co., Ltd....	28,000	Apr., 1950	Dec., 1954
Bridgwater R.D.C. ..	Lemon & Blizard	Sewers, 9in and 6in ; pumping mains ; four pumping stations ; three ejectors stations	S. W. Foster, Ltd.; Hughes & Lancaster, Ltd.; parts not yet let	108,000	June, 1952	—
Amesbury R.D.C. ..	Ditto	Extension of Amesbury disposal works, including new pumping plant and pumping main	Work & Way	53,000	May, 1954	Nov., 1956
		Bulford and Durrington sewerage scheme : 7in to 15in sewers, pumping station and pumping main	James & Crockerell, Ltd	97,000	June, 1951	1954
Warminster U.D.C. ...	Ditto	7in to 18in sewers, two pumping stations and pumping mains	A. E. Farr, Ltd.	53,000	Jan., 1953	Oct., 1954
Kingsclere and Whitchurch R.D.C.	Ditto	Tadley sewerage : 12in to 18in sewers, pumping station and disposal works	Collier & Catley, Ltd.	106,000	May, 1953	Mar., 1955
Sturminster R.D.C. ...	Ditto	Sturminster Newton sewerage : 6in to 12in sewers, pumping station and disposal works	Smith & Lacy, Ltd.	60,000	Mar., 1954	June, 1955
Birchmoor Water Supply and Drainage Joint Committee	Ditto	Sewage disposal works and pumping station ...	H. C. Janes, Ltd.; J. M. Hill & Sons, Ltd.	63,000	Aug., 1949	June, 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
British Electricity Authority	Lemon & Blizard	6ft c.i. lined tunnel ; 14ft to 10ft 6in c.i. lined shafts, 48in c.i. pipes, penstock chamber and control house	C. Brand & Son, Ltd.	147,000	Oct., 1954	1956
Barnstaple R.D.C. and B.C.	Ditto	Regional sewerage scheme, third stage : screening and settlement tanks, 18in dia. c.i. outfall to Taw Estuary	R. Costain, Ltd.	110,000	May, 1954	Feb., 1956
Berwickshire C.C. ...	J. & A. Leslie & Reid ...	Sewerage and sewage purification works through County	R. Baillie & Sons, Ltd.; W. P. MacNamara & others	100,000	1951	—
Elgin T.C.	Ditto	Sewage disposal works	Thatcher, Lucas & Co.; W. J. Anderson, Ltd.	65,000	1952	1955
Bathgate T.C.	Ditto	Outfall sewers	J. B. Crammond and others ...	85,000	1954	1955
Chorley R.D.C.	Charles J. Lomax & Son ...	Various sewerage schemes	J. McGeoch & Sons, Ltd.; R. Fielding & Son (Builders), Ltd.	372,000	Aug., 1950	Mar., 1955
		Two sewage disposal works	P. Fairclough ; R. Fielding & Son (Builders), Ltd.	88,000	Aug., 1950	Feb., 1955
Belper U.D.C.	Ditto	Extension of disposal works and renewal of plant at pumping stations	Bowmer & Kirkland	60,000	Mar., 1954	Aug., 1955
Walton-le-Dale U.D.C.	Ditto	Sewers, 9in to 30in dia., and pumping station ...	Melville, Dundas & Whitson, Ltd.	154,000	Dec., 1954	July, 1956
St. Asaph R.D.C.	Charles J. Lomax & Son ; T. B. Farrington & Son	Sewerage and sewage disposal of parishes of Rhuddlan and Bodelwyddan	J. S. Jones, Ltd.	36,000	June, 1954	Aug., 1955
Northern Outfall Works, Beckton, E.6	London County Council ; *J. Rawlinson*	Detritus pits and other works	Crowley Russell & Co., Ltd.; Sir W. Arrol & Co.	358,000	1950	1954
		Sixteen sedimentation tanks, screen and pump-houses, &c.	E. Nuttall, Sons & Co. (London), Ltd.; W. E. Farrer, Ltd., and others	1,580,000	1950	1955
		By-pass culverts to main effluent channel and auxiliary outlet	E. Nuttall, Sons & Co. (London), Ltd.	217,000	1953	1955
		Diffused air plant : six sets of aeration channels, fifteen final settling tanks, air mains, sludge mains pumping station, control house, &c.	R. Costain, Ltd.; Dorr Oliver Co., Ltd., and others	2,700,000	1954	1957
		Sludge digestion plant : 16 digestion tanks, 4 dewatering tanks, secondary digestion tanks and pumping stations	Not yet let	2,000,000	1955	1958
		Power house substructure for 8 gas turbines, 5 air blowers, 3 alternators and other plant	R. Costain, Ltd.; Ruston & Hornsby, Ltd., and others	1,000,000	1954	1957
		Reconstruction of sedimentation channels for mechanical flushing ; construction of sub-station	J. Mowlem & Co., Ltd.	50,000	1953	1955
		Diversions of cast iron pumping mains from North Woolwich to Northern Outfall Works	Ditto	55,000	1954	1955
Southern Outfall Works, Crossness, E.2	Ditto	Replacement of steam pumping plant by electric pumps and other works	Crowley, Russell & Co., Ltd.; W. H. Allen, Sons & Co., Ltd.	142,855	1951	1954
Northern Outfall Sewer	Ditto	Reconstruction of bridge superstructure conveying sewer over railway near Plaistow Station	Wilson Lovatt & Co., Ltd.... ...	55,000	1955	1957
Midlothian C.C.	Partridge, Earp & Partners	Esk Valleys regional sewerage and sewage disposal scheme : sewerage	Jacksons (Edinburgh), Ltd.; J. White (Contrs.), Ltd.	180,000	Oct., 1951	Dec., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Midlothian C.C.	Partridge, Earp & Partners	Outfall sewer and smaller sewerage contracts ...	G. Dew & Co., Ltd.; W. P. MacNamara ; C. E. Fairfield & Son ; Jacksons (Edinburgh); Ralph & Partner	210,000	May, 1951	June, 1954
		Sewerage, storm water treatment works, sludge recovery works	Not yet let	410,000	1955	—
		Newbridge and Ratho sewerage and sewage disposal works	W. Arnott McLeod & Co., Ltd. ...	65,000	Aug., 1953	Nov., 1954
Ashby - de - la - Zouch R.D.C.	Pick, Everard, Keay and Gimson	Sewers and sewage works for Worthington, Appleby Magna and Heather	C. Williamson & Co., Ltd.; G. F. Tomlinson & Sons, Ltd.	89,000	Mar., 1953	1956
Billesdon R.D.C.	Ditto	Sewers, &c., for Scraptoft and Houghton	Hadsphaltic Constr. Co., Ltd.; F. A. Webster, Ltd.	76,000	1952	1954
Bridgnorth Corpn. ...	Ditto	Sewage disposal works, pumping station and pumping main	Wilson Lovatt & Sons, Ltd. ...	75,000	Mar., 1954	1955
Brixworth R.D.C. ...	Ditto	Sewers and sewage works for various parishes ...	J. E. Lucas, Ltd.; The Butterley Co., Ltd.; Tandy & Richmond	132,000	1952	1955
Kettering R.D.C. ...	Ditto	Sewerage schemes for Grafton Underwood, Braybrooke, Rushton and Rockingham	Gee, Walker & Slater, Ltd.; Brooks & Johnson, Ltd.; Richmonds (Corby), Ltd.; Tarmac, Ltd.	52,000	Jan., 1954	1955
Lutterworth R.D.C. ...	Ditto	Sewers and sewage works for Ullesthorpe and Claybrooke	Stamford Constr., Ltd.	50,000	1954	1956
Market Bosworth R.D.C.	Ditto	Sewers and sewage works for Thornton, &c., Nailstone and Desford	A. F. Carr & Co., Ltd.; G. Calverley & Sons, Ltd.	113,000	June, 1951	1955
Towcester R.D.C. ...	Ditto	Sewers and pumping stations for regional scheme	Bosworth & Wakeford, Ltd. ...	130,000	1950	1955
Barking Corpn.	W. H. Radford & Son ...	Thames Road housing sewerage and pumping station	Fitzpatrick & Son (Contrs.), Ltd.	125,000	July, 1953	Oct., 1954
Denbigh Corpn.	Ditto	Sewerage and sewage disposal works	Norman Hughes & Co., Ltd. ...	68,000	Nov., 1954	—
Felling U.D.C.	Ditto	6 miles of foul and surface water sewers up to 36in dia.	D. & J. Crombie & Co.	106,000	Dec., 1952	—
		Sewage disposal works	Myton, Ltd.	85,000	July, 1953	—
Howden R.D.C.	Ditto	Sewage disposal works, pumping station, two ejector stations, rising mains and 4¼ miles 7in and 9in sewers	Pridmore & Broadhead, Ltd.; Adams Hydraulics, Ltd.; Tuke & Bell, Ltd.	80,000	Jan., 1954	—
March U.D.C.	Ditto	13 miles 9in to 30in dia. sewers and 12in dia. sewage pumping main	Yorkshire Builders, Ltd.	180,000	Sept., 1951	—
		Sewage pumping station and sewage disposal works	Yorkshire Builders, Ltd.; Wallwin Pumps, Ltd.	84,000	Dec., 1951	—
Matlock U.D.C.	Ditto	Extensions to Lea sewage disposal works	F. Earnshaw, Ltd.; Pulsometer Eng. Co., Ltd.; Thatcher, Lucas & Co., Ltd.	87,000	June, 1954	—
Rochester, Chatham and Gillingham Joint Sewerage Board	Ditto	Extensions to Motney Hill sewage disposal works, Rainham, Kent	J. L. Eve Constr. Co., Ltd.; Ames Crosta Mills & Co., Ltd.	110,000	Aug., 1951	—
Thorne R.D.C. Sewerage	Ditto	Pumping stations, rising mains and 3 miles of sewers, 12in to 21in dia.	P. P. Taylor (Doncaster), Ltd.; Pridmore & Broadhead, Ltd.	90,000	Nov., 1951	—
		Pumping station, rising main and drainage ; 5 miles 12in to 48in dia. pipes ; pipe bridge over canal, Stainforth	P. P. Taylor (Doncaster), Ltd.; Pulsometer Eng. Co., Ltd.; The Butterley Co., Ltd.	121,000	Oct., 1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Thurrock U.D.C. Sewerage Scheme	W. H. Radford & Son ...	North Works extension and tidal pumping station at Marsh Farm disposal works	W. & C. French, Ltd.	260,000	June, 1952	—
Wolverton U.D.C. ...	Ditto	6½ miles sewers and pumping mains, 8in to 36in dia., sewage disposal works, pumping stations and machinery	S. S. Stott, Ltd.; Pulsometer Eng. Co., Ltd.; Stanton Ironworks Co., Ltd.; Betts & Faulkner, Ltd.; Attenborough R.C. Constr. Co., Ltd.; Howard Farrow, Ltd.	220,000	Dec., 1949	—
E. Kesteven R.D.C. ...	Silcock & Simpson	Sewers, pumping stations and disposal works, Ruskington	Not yet let	67,000	—	—
		Sewers, pumping stations and disposal works, Billinghay	Winton Constr. Co.; Wallwin (Pumps), Ltd.	50,000	1954	1955
Mexborough U.D.C. ...	Ditto	Surface water drainage	Tarslag, Ltd.	61,000	1954	1955
Newmarket R.D.C. ...	Ditto	Sewers, pumping stations and disposal works, Soham	T. C. Stewart, Ltd.; Adams Hydraulics, Ltd.	165,000	1954	1956
Worksop R.D.C.	Ditto	Sewers, pumping stations and disposal works, Blyth	Stokes, Taylor & Shaw, Ltd.; Wallwin (Pumps), Ltd.	50,000	1954	1956
Bideford Corpn.	F. W. S. Stanton	1½ miles sewers, 9in to 39in, and outfall	R. Costain, Ltd.	47,000	May, 1948	1954
Strood R.D.C.	Ditto	7 miles sewers, 6in to 15in, pumping stations, treatment works and outfall	W. Smith (Public Works), Ltd. ...	66,000	June, 1948	1954
Peterborough R.D.C. ...	Stirling, Lambert & Partners	Sewerage scheme	Stamford Constr. Co., Ltd.; others not yet let	114,722	1953	—
Barnack R.D.C.	Ditto	Sewerage scheme	Not yet let	87,950	1954	—
Ringwood and Fordingbridge R.D.C.	Gerald Swayne & Son ...	7 miles of iron and stoneware sewers, 3 pumping stations and disposal works	A. G. Boyd Gibbins; direct labour	148,000	Sept., 1949	Sept., 1954
Rimrose Brook Joint Sewerage Board	John Taylor & Sons	Trunk sewers and pumping station	Norwest Constr. Co., Ltd.... ...	495,000	1950	1955
Eastern Valleys (Monmouth) Joint Sewerage Board; and others	Ditto	Treatment works and subsidiary sewers	Sir R. McAlpine & Sons, Ltd.; W. T. Nicholls, Ltd.	333,000	1950	1955
Hogsmill Valley Joint Sewerage Board	Ditto	Sewage treatment works	Mears Bros., Ltd.; J. Jervis ...	1,067,000	1953	1956
Epsom, Ewell and Surbiton Councils	Ditto	Trunk sewers	Balfour, Beatty & Co., Ltd. ...	345,000	1954	1956
City of Gloucester... ...	Ditto	Pumping station and outfall culvert; trunk sewers	J. Miller & Partners; English Electric Co., Ltd.; part not yet let	508,000	1953	1957
Crawley Development Corpn.	Ditto	Sewerage and sewage treatment works of New Town	C. V. Buchan; Howard Farrow, Ltd.; Lavender McMillan & Co., Ltd.; Mears Bros., Ltd.	328,000	Various	1955
Warrington Corpn. ...	Ditto	Pumping station, rising main, sewers and treatment works	Norwest Constr. Co., Ltd.; Hodgson Bros.	361,000	1949	1955
Rugby Corpn.	Ditto	Pumping station and extension to sewage treatment works	Bosworth & Wakeford, Ltd ...	86,000	1954	1955
Folkestone Corpn. ...	Ditto	Treatment works and subsidiary sewers	Not yet let	76,000	1955	—
Falmouth Corpn.	Ditto	Sewers and sea outfall	E. Thomas & Co., Ltd.	103,000	1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**DRAINAGE AND SEWAGE WORKS** (*continued*)		£		
Pontypool U.D.C.	John Taylor & Sons	Subsidiary sewers	Willment Bros., Ltd.	102,000	1954	1956
Bletchley U.D.C.	Ditto	Sewerage and sewage treatment works	Hadsphaltic Constr. Co., Ltd.	182,000	1952	1955
St. Neots U.D.C.	Ditto	Sewage treatment works, sewers, pumping station and rising main	Howard Farrow, Ltd.	104,000	1953	1955
Diss U.D.C.	Ditto	Sewerage works and treatment works	Ormac Constr. Co.; Bosworth & Wakeford, Ltd.	98,000	1952	1955
Haverfordwest R.D.C.	Ditto	Various sewerage schemes	W. T. Nicholls, Ltd.; McNally Bros. & Co.; Gibson & King, Ltd.	130,000	1954	1957
Thornbury R.D.C.	Ditto	Various sewerage schemes	W. T. Nicholls, Ltd.	65,000	1951	1955
Eton R.D.C.	Ditto	Sewers, pumping stations and rising mains	J. L. Eve Constr. Co., Ltd.; W. Old, Ltd.	247,000	1952	1955
Plympton St. Mary R.D.C.	Ditto	Sewage treatment works	R. Costain, Ltd.	127,000	1954	1956
Marlborough and Ramsbury R.D.C.	Ditto	Sewers and pumping station	R. E. Rowlands, Ltd.	68,000	1955	—
Battle R.D.C.	Ditto	Various sewerage schemes	R. W. Dicker, Ltd.; S. G. Kitson, Ltd.; W. Ellis (Etchingham), Ltd.	100,000	1953	1956
Alton R.D.C.	Ditto	Sewers and ejector and pumping stations	Kirk & Kirk, Ltd.	75,000	1949	1954
Sutton and Cheam B.C.	Leslie Turner & Partners	Reinforced concrete tanks	Wates, Ltd.	50,000	1954	1955
Whiston R.D.C.	Ward, Ashcroft and Parkman	9 miles of main sewers; 1¼ miles of concrete culvert	J. McGeoch & Sons, Ltd.	473,000	Feb., 1953	July, 1955
Aberystwyth R.D.C.	Ditto	Bow Street sewerage and sewage disposal works	W. & J. Glossop, Ltd.	35,000	July, 1953	Mar., 1955
Borough of Wrexham	Ditto	Interim sewerage scheme: extensions and reconstruction of disposal works	Not yet let	225,000	—	—
Preston Corpn; Preston and Fulwood R.D.C.s	Ditto	Joint sewerage scheme	Ditto	165,000	—	—
Skelmersdale U.D.C.	Ditto	Sewerage and sewage disposal works	Ditto	136,000	—	—
Amlwch U.D.C.	Ditto	Sewerage	North Wales Constr. Co.	50,000	Dec., 1953	Dec., 1955
Tyldesley U.D.C.	Ditto	Sewers, pumping station and sewage disposal works	Not yet let	170,000	—	—
Wigton R.D.C.	Waterhouse & Rounthwaite	Town sewerage and sewage disposal	P. A. Baines & Sons (Northern), Ltd.	175,000	Jan., 1954	1955
Newcastle, Co. Down, U.D.C.	Ditto	Sewerage	Farrans, Ltd.	69,000	May, 1952	1954
Wallsend Corpn.	Ditto	Sewerage	F. M. Willers & Co., Ltd.; Pulsometer Eng. Co., Ltd.	118,000	Aug., 1951	1954
Durham R.D.C.	Ditto	Sewers and disposal works, Sherburn	Not yet let	51,800	—	—
Aldridge U.D.C.	A. H. S. Waters	Sewage disposal	Sir A. McAlpine & Son, Ltd.	132,700	Feb., 1955	Feb., 1957

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Cannock R.D.C.	A. H. S. Waters	Cheslyn Hay and Great Wyrley sewerage	D. B. Evans (Wolverhampton), Ltd.	73,750	Jan., 1955	Dec., 1956
Chipping Norton B.C. ...	Ditto	Sewerage and sewage disposal	Costelloe & Kemple, Ltd. ...	56,000	Oct., 1954	Apr., 1956
Evesham B.C.	Ditto	Sewerage and sewage disposal	H. Boot & Sons, Ltd.	189,300	Jan., 1955	Jan., 1957
Gwyrfai R.D.C.	Ditto	Llanrug, &c., sewerage and sewage disposal ...	Not yet let	70,000	Mar., 1955	1957
Morecambe & Heysham B.C.	Ditto	60in outfall sewer, seaward portion	Harbour & General Works, Ltd.	350,000	Nov., 1951	Dec., 1955
		Sewerage for Central and Bare area (part of) ...	Hussey, Egan & Pickmere, Ltd....	66,000	Aug., 1954	May, 1955
		Sewerage for West End area	Melville, Dundas & Whitson, Ltd.	96,000	Nov., 1954	May, 1956
		Sewerage for Bare Lane area	Not yet let	75,000	Apr., 1955	Apr., 1956
Mossley B.C.	Ditto	Sewage disposal	J. Berry, Ltd.	103,000	Mar., 1954	Sept., 1955
Newcastle - under - Lyme R.D.C.	Ditto	Sewerage (part of) and sewage disposal works for Madeley	F.H.M. Contractors, Ltd.	54,500	May, 1954	Oct., 1955
		Sewerage and sewage disposal for Audley (part) ...	Percy Bilton, Ltd.	66,000	June, 1954	June, 1956
Oakengates U.D.C. ...	Ditto	Sewerage (part)	Midland Constr. Co., Ltd.	47,500	Jan., 1955	July, 1956
Taunton B.C....	Ditto	Outfall sewer and effluent pipes, sewage disposal works and pumping machinery	Hawksley Constr.; Hussey, Egan & Pickmere; Gwynnes Pumps, Ltd.	698,700	1954	1957
Wednesfield U.D.C. ...	Ditto	Sewerage and sewage disposal	M. A. Boswell (Contrs.), Ltd. ...	243,000	Jan., 1954	Dec., 1956
Wellington (Salop) R.D.C.	Ditto	Sewerage and sewage disposal	Sir A. McAlpine & Son, Ltd. ...	78,000	July, 1954	July, 1956
Chesterfield B.C.	J. D. & D. M. Watson... ...	Sewerage	R. McGregor & Sons, Ltd.; part not yet let	61,000	Apr., 1951	—
Derby C.B.C....	Ditto	Sewerage	Not yet let	99,000	—	—
		Sewage disposal works extensions	Hussey Egan & Pickmere, Ltd.; Glenfield & Kennedy, Ltd.; Holloway Bros. (London), Ltd.; part not yet let	2,000,000	Aug., 1953	—
Downham Mkt. U.D.C.	Ditto	Sewerage and sewage disposal works	H. J. Firman, Ltd.	71,000	—	—
Dunmow R.D.C.	Ditto	Sewerage and sewage disposal works	W. & C. French, Ltd.; St. Mary's (Contrs.), Ltd.	191,000	Mar., 1951	—
Godalming B.C.	Ditto	Sewage disposal works	Sir L. Parkinson & Co., Ltd. ...	95,000	Sept., 1954	1956
Godmanchester B.C. ...	Ditto	Sewerage	W. Moss & Sons, Ltd.	115,000	—	—
Hornchurch U.D.C. ...	Ditto	Sewage disposal works extensions	W. & C. French, Ltd.	76,000	—	—
Huntingdon B.C.	Ditto	Sewerage	Butterley Co., Ltd.	139,000	Aug., 1954	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Huntingdon and Godmanchester Jt. Sewerage Committee	J. D. & D. M. Watson ...	Sewerage and sewage disposal works	Not yet let	350,000	—	—
Harlow Development Corp.	J. D. & D. M. Watson ; D. Balfour & Sons	Middle Lee sewage disposal works	W. & C. French, Ltd.; Kirk & Kirk, Ltd.	1,221,000	Jan., 1951	—
Luton B.C.	J. D. & D. M. Watson ...	Sewage disposal works extensions	J. Mowlem & Co., Ltd.; Candy Filter Co., Ltd.; Activated Sludge, Ltd.; Glenfield & Kennedy, Ltd.	87,000	Mar., 1953	Feb., 1954
Middlesex C.C.	Ditto	East Middlesex main drainage	W. & C. French, Ltd.; W. Moss & Sons, Ltd.; Marples Ridgway & Ptnrs., Ltd.; part not yet let	5,000,000	Apr., 1948	—
City of Peterborough ...	Ditto	Sewerage and sewage disposal works	Holland & Hannen and Cubitts, Ltd.; M. J. Gleeson (Contrs.); B. Stokeley; National Gas & Oil Engine Co., Ltd.; W. E. Farrer & Sons, Ltd.; Gwynnes Pumps, Ltd.; Ames Crosta Mills & Co., Ltd.	507,000	Dec., 1950	1955
Borough of Poole	Ditto	Broadstone and Hamworthy sewerage and sewage disposal	Not yet let	140,000	—	—
Rugby R.D.C.	Ditto	Various sewerage schemes	A. Robinson, Ltd.; Roads & Sewers, Ltd.	120,000	July, 1950	1954
Romford & Hornchurch Joint Sewerage Committee	Ditto	Sewage disposal works extensions	W. & C. French, Ltd.	88,000	Aug., 1950	1954
Sodbury R.D.C.	Ditto	Sewerage and sewage disposal works	C. A. Hayes & Sons, Ltd.; W. A. Dawson, Ltd.; Turriff Constr. Corpn.; A. E. Farr, Ltd.	688,000	Jan., 1950	Dec., 1954
Sutton - in - Ashfield U.D.C.	Ditto	Sewerage and sewage disposal works	Lane Bros. (Mansfield), Ltd. ...	164,000	Sept., 1953	1955
Tipton B.C.	Ditto	Sewage disposal works extensions	K. E. Millard & Co., Ltd.; Leightons (Contrs.), Ltd.	274,000	June, 1953	1955
Trowbridge U.D.C. ...	Ditto	Sewage disposal works extensions	E. Ireland (Contrs.), Ltd.	95,000	Nov., 1952	Nov., 1954
Warwick R.D.C.	Ditto	Various sewerage schemes	A. Robinson, Ltd.; Butterley Co., Ltd.	190,000	June, 1950	—
Whitstable U.D.C. ...	Ditto	Storm water relief	J. W. Ellingham, Ltd.	61,000	Oct., 1953	1955
Yeovil B.C.	Ditto	Sewage disposal works	Hussey, Egan & Pickmere, Ltd....	307,000	Mar., 1954	1957
ABROAD						
University College of the Gold Coast	D. Balfour & Sons	University near Accra : sewerage, sewage disposal, surface water drainage and water supply	G. Wimpey & Co., Ltd.; G. Watson & Co. (Accra), Ltd.	300,000	1951	—
Lusaka (Rhodesia) ...	Binnie, Deacon & Gourley	Construction of 6in-18in sewers, disposal works and pumping stations, &c.	J. Howard & Co. (Africa), Ltd. ...	243,000	1952	—
Municipality of Livingstone, Northern Rhodesia	Brian Colquhoun & Partners	Sewers, pumping stations and disposal works ...	Ditto	250,000	June, 1951	June, 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
ABROAD						
Municipality of Kitwe, Northern Rhodesia	Brian Colquhoun & Partners	Trunk and subsidiary sewers and purification works	O. Grinaker, Ltd.	500,000	1954	1956
Municipality of Khartoum	Howard Humphreys & Sons	Main drainage of Khartoum : main contract ...	Not yet let	640,000	1955	—
		First stage	German & Swiss Eng. & Contr. Co.; Industrial Speciality Co., Ltd.; Sigmund Pumps, Ltd. and others	360,000	1953	1955
Sudan Government ...	Ditto	Sewerage of government properties	Not yet let	170,000	—	—
Govt. of Tanganyika Territory	Ditto	Dar-es-Salaam main drainage : sewers, air conditioned screening and pumping plant, sea outfall	M. Gonella & Co., Ltd.	350,000	Sept., 1950	1955
Nairobi City Council ...	Ditto	Additions to Nairobi disposal works : second stage of enlarging to 3 m.g.d. capacity	Ditto	300,000	June, 1954	1956
		Nairobi industrial area sewerage	W. & C. French, Ltd.	230,000	Sept., 1951	Nov., 1954
Govt. of Zanzibar ...	Ditto	Zanzibar main drainage : partially combined foul and storm water drainage system	Tanganyika Eng. & Contr. Co., Ltd.	70,000	June, 1954	Nov., 1955
Municipal Board of Mombasa	Ditto	Storm water drainage : first stage of £3 million schemes for foul and storm water drainage	M.R.M. Constr. Co., Ltd.; E.A. Rlys. & Harbours	84,000	Oct., 1954	1955
Khartoum Municipal Council	Ditto	Main drainage : first stage of foul sewerage scheme	German & Swiss Eng. & Contr. Co.	363,000	June, 1954	1955
Kampala Municipal Council	Ditto	Kampala main drainage : first stage extensions to foul sewers	W. & C. French, Ltd.	59,000	Sept., 1953	Dec., 1954
		Further extensions, relief sewers and disposal works enlargement	Not yet let	350,000	1955	—
City of Tel Aviv-Jaffa ...	G. B. Kershaw & Kaufman	Trunk sewers and sea outfall	Ditto	1,500,000	1955	—
Kuala Lumpur Municipality	J. D. & D. M. Watson... ...	Main sewerage and sewage disposal works	Ahong Constr. Co., Ltd.	100,000	Oct., 1954	—
			Not yet let	1,150,000	—	—
		HARBOURS AND DOCKS				
HOME						
Docking Facilities... ...	Aberdeen Harbour Commissioners ; *John Anderson* ; Clark & Standfield	Replacement of pontoon dock No. 1	J. Lewis & Sons, Ltd.; direct labour	92,000	Apr., 1953	1955
Barclay, Curle & Co., Ltd.	Babtie, Shaw & Morton ...	Construction of shipyard buildings (first stage)	Whatlings, Ltd.; Redpath, Brown, Ltd.	137,000	May, 1954	May, 1955
The Fairfield Shipbuilding and Eng. Co., Ltd.	Ditto	Construction of tracks for travelling cranes and construction of new berths	G. Wimpey & Co., Ltd.	300,000	1953	—
		Construction of steel framed welding shop... ...	Not yet let	109,000	1955	—
Abercorn Basin	Belfast Harbour Commissioners	Increasing depth of water ; strengthening of south and east quays	Direct labour	57,500	May, 1951	Mar., 1954
Queen's Quay	Ditto	Repairs and reconstruction, new frontage at south end, increasing depth of water	Ditto	70,000	Feb., 1954	Dec., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Herdman Channel ...	Belfast Harbour Commissioners	Coal wharf for new power station for Belfast Corpn., 253ft long, depth alongside 21ft 3in below chart datum	Concrete Piling, Ltd.	50,000	1953	Oct., 1954
Barry Docks	British Transport Commission, Docks and Inland Waterways ; *R. H. Edwards*	Renewal of middle gates, Lady Windsor Locks ...	Fairfield Shipbuilding & Eng. Co., Ltd.	90,000	June, 1953	Aug., 1955
Port Talbot Docks ...	Ditto	Further extension of Margam Wharf	Sir R. McAlpine & Sons (South Wales), Ltd.	302,500	Sept., 1953	Mar., 1955
Hull : King George Dock	British Transport Commission, Docks and Inland Waterways ; *G. D. Lloyd*	Reconstruction of No. 12 quay	Yorkshire Hennebique Co., Ltd.	210,000	Feb., 1951	Apr., 1954
Grimsby Royal Dock ...	Ditto	Reconstruction in reinforced concrete of old timber pier of tidal basin	Christiani & Nielsen, Ltd. ...	165,000	Sept., 1954	Apr., 1956
Immingham Dock... ...	Ditto	Construction of new lock gates	Head, Wrightson & Co., Ltd. ...	80,000	June, 1953	Oct., 1955
Goole Docks	Ditto	Major overhaul of Ouse and Victoria Locks ...	Direct labour	80,000	Oct., 1952	1956
Blacktoft, near Goole ...	British Transport Commission, Docks and Inland Waterways ; *G. D. Lloyd* ; Coode & Partners	Construction of 653ft jetty in reinforced concrete	P. Lind & Co., Ltd.	175,000	Aug., 1954	June, 1955
Southampton Docks ...	British Transport Commission, Docks and Inland Waterways ; *J. H. Jellett* ; Scott & Wilson, Kirkpatrick & Partners	Construction of new cargo/passenger terminal, Berth 102	Fairfield Shipbuilding & Eng. Co., Ltd.; Trollope & Colls, Ltd.	900,000	Oct., 1952	Dec., 1955
Hartlepools Docks ...	British Transport Commission, Docks and Inland Waterways ; *W. Mackenzie*	Construction of modern deep water berth	J. Howard & Co., Ltd.; Cowans, Sheldon & Co., Ltd.; part not yet let	570,000	July, 1953	Aug-Sept., 1955
Middlesbrough Dock ...	British Transport Commission, Docks and Inland Waterways ; *S. Winpenny*	Reconstruction of No. 10 Quay	A. Monk & Co., Ltd.; Cowans, Sheldon & Co., Ltd.; Stothert & Pitt, Ltd.	470,000	Mar., 1954	Jan., 1955
Garston Docks, Liverpool : Stalbridge Dock	British Transport Commission, Docks and Inland Waterways; *D. J. Doughty*	Modernisation of three discharging berths, including new quay layout ; provision of 12 high portal level luffing cranes of 7½ tons and 6/3 tons capacity	Direct labour and contract ...	425,000	Jan., 1955	June, 1957
Fleetwood Docks	British Transport Commission, Docks and Inland Waterways ; *J. Taylor Thompson*	Lowering of Wyre Dock sills and entrance lock floor	L. Fairclough, Ltd.	116,415	Mar., 1952	Dec., 1954
Smith's Dock Co., Ltd., North Shields	T. F. Burns & Partners ...	Dry dock, 709ft by 95ft by 26ft, and deep water quay	Holloway Bros. (London), Ltd....	1,100,000	Dec., 1950	June, 1954
Smith's Dock Co., Ltd., Middlesbrough	Ditto	New prefabricating shed and overhead crane gantry	Dorman Long & Co., Ltd.; Tarslag, Ltd.	100,000	Aug., 1953	Oct., 1954
Swan, Hunter & Wigham Richardson, Ltd., Wallsend-on-Tyne	Ditto	Sheet piled retaining wall and prefabricating shed	Harbour & General Works, Ltd.	57,000	Apr., 1952	Apr., 1954
		New dry dock, 715ft by 105ft by 29ft	Sir R. McAlpine & Sons (Newcastle), Ltd.	950,000	May, 1954	Nov., 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Swan, Hunter & Wigham Richardson, Ltd., Walker-on-Tyne	T. F. Burns & Partners ...	Neptune Yard : deep water jetty and launch dock	Demolition & Constr. Co., Ltd.	106,000	June, 1953	Jan., 1955
Shieldhall Riverside Quay Extension	Clyde Navigation Trust ; *A. Thomson*	900ft of deep-water quay wall : timber and mineral discharge facilities ; 10 acres concrete paving	Direct labour ; Holland & Hannen and Cubitts (Scotland) Ltd.	890,000	Nov., 1952	1955/6
Meadowside and Merklands Quays	Ditto	Construction of 900ft of 100ft span sheds ; road and rail facilities and concrete paving 3 acres	Direct labour and contract ; not yet let	310,000	Dec., 1953	1955/6
Queen's Dock, South and Stobcross Quays	Ditto	New crane tracks ; electrification of quays and reroofing sheds	Direct labour ; Robertson Thain, Ltd.	367,000	Jan., 1954	1956/7
Rothesay Dock, South Quay	Ditto	Renewal of crane track and railway sidings	Direct labour	200,000	Mar., 1953	1955
Great Yarmouth Port and Haven Commissioners	Coode & Partners	Reconstruction of North pier ; steel sheet piling surround and rubble infilling	A. E. Farr, Ltd.	65,300	May, 1954	Dec., 1955
Lynmouth U.D.C. ...	C. H. Dobbie	Harbour and tidal works	Blackford & Sons (Calne), Ltd....	110,000	1953	—
Dundee Harbour Trust	Dundee Harbour Trust ; *A. Smith* ; L. G. Mouchel & Partners, Ltd.	Reconstruction of Western Wharf, including demolishing of existing timber wharf	Yorkshire Hennebique Contr. Co., Ltd.	300,000	Nov., 1952	1955
The Bowater Paper Corpn., Ltd.	Sir Alexander Gibb & Partners	Demolition of existing wall and reconstruction of Ridham Dock	J. L. Kier & Co., Ltd.	430,000	Feb., 1953	—
Laporte Titanium, Ltd....	John H. Haiste & Partners	Jetty in River Humber	A. Waterman, Ltd.	95,000	1951	1954
Boston Dock	Sir William Halcrow & Partners	Dock rehabilitation, new cranes, crane track and outer gates	W. & C. French, Ltd.; Cowans, Sheldon & Co., Ltd.; Head Wrightson & Co., Ltd.	100,000	May, 1953	1954
British Electricity Authority	Ditto	Reconstruction of harbour entrance and new lock at Shoreham Harbour	P. Lind & Co., Ltd.	2,000,000	1954	1956
Telcon Works, Erith ...	Ditto	Dolphin berth and dredging	Tilbury Dredging Co., Ltd. ...	170,000	1954	1955
Deal Pier	Ditto	New pleasure pier	Concrete Piling Co., Ltd.	200,000	1954	1955
Lerwick Harbour Trust...	Arch. Henderson & Partners	Widening and extension of piers and quays and other works	—	300,000	1953	—
Taylor Bros. Wharfage Co., Ltd., Greenwich	Husband & Co.	Morden Wharf : construction of wharf and storage sheds	W. F. Blay, Ltd.	140,000	1952	1954
Carron and Continental Wharves, Ltd.	Ditto	Reconstruction of Carron Wharf : Tower Bridge	J. Shelbourne & Co., Ltd.	55,000	1950	1954
Mercantile Dry Dock Co., Ltd.	R. T. James and Partners ...	Restoration of quay front and provision of crane track	P. Lind & Co., Ltd.	140,000	Sept., 1953	1955
Queen Elizabeth II Oil Dock, Eastham	Manchester Ship Canal Co.; *D. C. Milne*	New entrance lock and dock ; sliding caissons ; deepening and dredging	Sir A. McAlpine & Son, Ltd.; Vickers-Armstrongs Ltd.; Westminster Dredging Co., Ltd.	5,750,000	Oct., 1949	1954
Weaver Flood Sluices ...	Ditto	Renewal of sluice gates	Ransomes & Rapier, Ltd.; A. Monk & Co., Ltd.	180,000	Feb., 1951	1955
Lock Flood Sluices ...	Ditto	Renewal of sluice gates	Ransomes & Rapier, Ltd.	340,000	Nov., 1954	1958
		Construction of lock gates	Vickers-Armstrongs, Ltd.	93,000	1953	1955
		Enlargement of Stanlow turning basin	Direct labour; A. Monk & Co., Ltd.	50,000	Nov., 1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Brigham & Cowan, Ltd.	Maunsell, Posford & Pavry	New dry dock at South Shields	Marples Ridgway & Ptnrs., Ltd.	600,000	1953	1955
National Coal Board ...	Ditto	Construction of movable platform for boring below sea bed	Cleveland Bridge and Eng. Co., Ltd.	160,000	1954	1955
Langton-Canada Docks Improvements	Mersey Docks and Harbour Board ; *A. B. Porter*	First phase : major scheme for new river entrance lock, 825ft by 130ft and subsidiary works	Direct labour	8,267,000	May, 1949	—
		Caissons for river entrance lock and Canada-Brocklebank passage	Sir W. Arrol and Co., Ltd.... ...	1,003,500	July, 1951	—
Training Banks	Ditto	Construction of training walls in sea channel approaches	Direct labour	3,275,651	July, 1923	—
Huskisson Branch Docks, Nos. 1 and 3	Ditto	R.C. double-storey sheds ; semi-portal electric luffing cranes (part war damage)	P. Lind & Co., Ltd.; Stothert & Pitt, Ltd.	2,027,986	Jan., 1954	1957
Langton and Birkenhead Graving Docks	Ditto	Improved facilities : cranes, compressed air, salt water mains, &c.	Direct labour ; Cowans, Sheldon & Co., Ltd.	456,325	Apr., 1953	—
North Side, Bidston Dock	Ditto	Strengthening and surfacing quay ; railway, sidings and connections to main lines	Direct labour	400,000	Apr., 1950	July, 1954
Wallasey Impounding Station	Ditto	Installation of four steam-driven turbine pumps, new pump house, culverts, electric supply, &c.	Direct labour ; Gwynnes Pumps, Ltd.; P. Lind & Co., Ltd.	229,637	May, 1952	Mar., 1955
South Side, Alexandra Branch Dock, No. 1	Ditto	Single-storey shed, steel columns, brick walls, timber roof (war damage)	Not yet let	218,500	Dec., 1954	Dec., 1955
South Side, Bramley-Moore Dock	Ditto	Single-storey shed, steel framework, brick panelling	Direct labour ; Fleming Bros. (Struct. Engs.), Ltd.	157,005	Apr., 1954	Aug., 1955
South Shed, Kings Dock, No. 1	Ditto	Rebuilding and repairing (war damage)	Direct labour ; F. Morton & Co., Ltd.; Robertson Thain, Ltd.	114,460	Nov., 1952	Oct., 1954
Oil Installations, Dingle	Ditto	Water tanks, &c., for fire fighting ; improving roadways, rail tracks, &c.	Direct labour ; contracts not yet let	110,750	July, 1954	1956
Brocklebank Warehouses	Ditto	Rebuilding and repairing (war damage)	Direct labour ; J. B. Johnson & Co., Ltd.; S. & C. Walmsley, Ltd.	90,000	Aug., 1953	Dec., 1954
East Side, Regent Road	Ditto	Providing new North Dock yard	Direct labour	84,740	June, 1951	Dec., 1955
North Shed, Victoria Dock	Ditto	Single-storey shed, steel framework, brick panelling	Direct labour ; McIntyre & Sons, Ltd.; Robertson Thain, Ltd.	80,140	Nov., 1952	July, 1954
East End, North Block Stanley Warehouse	Ditto	Single-storey warehouse (war damage)	Direct labour ; P. Lind & Co., Ltd.	72,420	Nov., 1952	July, 1954
Nelson-Salisbury Docks Passage	Ditto	New single-leaf swing bridge...	Direct labour ; Sir W. Arrol & Co., Ltd.	63,890	Feb., 1954	1955
North Side, Gladstone Dock	Ditto	Development of reclaimed land as timber storage ground	Direct labour ; T. Summerson & Sons, Ltd.; Chain Link Fencing, Ltd.	34,200	Jan., 1952	July, 1955
County Borough of Tynemouth	Tynemouth Borough Engineer ; L. G. Mouchel & Partners, Ltd.	Extension to fish quay, North Shields	Brims & Co., Ltd.	116,000	1954	—
Clarence Esplanade Pier Co., Ltd.	L. G. Mouchel & Partners, Ltd.	Reconstruction of landing stages and pier decking	J. Croad, Ltd.	130,000	May, 1953	—
Londonderry Port and Harbour	Londonderry Port and Harbour Board ; L. G. Mouchel & Partners, Ltd.	Reconstruction and extension of wharf	McLaughlin & Harvey, Ltd. ...	220,000	Apr., 1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)				
HOME						
National Oil Refineries, Ltd.	National Oil Refineries, Ltd.; Rendel, Palmer & Tritton	Coastal tanker jetty, Swansea	Holland & Hannen and Cubitts, Ltd.; Motherwell Bridge & Eng. Co., Ltd.	610,000	June, 1954	Mar., 1955
Royal Edward Dock, Avonmouth	Port of Bristol Authority; *N. A. Matheson*	New wine bond and cargo warehouse...	P. Lind & Co., Ltd.; R. Watson & Co., Ltd.	225,000	Aug., 1953	Apr., 1955
		Renewal of permanent way	Grant, Lyon and Co., Ltd. (part only)	350,000	June, 1954	1958
Oil Basin, Avonmouth	Ditto	New oil jetty	P. Lind & Co., Ltd.	80,000	Mar., 1954	May, 1955
Avonmouth Dock... ...	Ditto	New lock gates	C. Hill & Sons, Ltd.	50,000	Apr., 1954	Sept., 1955
London Dock	Port of London Authority; *G. A. Wilson*	Construction of lock gates	Head, Wrightson & Co., Ltd. ...	89,000	Aug., 1952	—
Surrey Commercial Docks	Ditto	Widening of Canada/Greenland passage	Not yet let	300,000	Nov., 1954	—
		Construction of two-storey shed	Higgs & Hill, Ltd.	164,000	Sept., 1954	—
		Construction of timber storage sheds	Walker Bros., Ltd.; J. Mowlem & Co., Ltd.	77,000	Mar., 1954	—
West India Dock	Ditto	Construction of three-storey sheds	J. Mowlem & Co., Ltd.	480,000	Nov., 1950	Mar., 1954
		Repairs to quays	Ditto	60,000	July, 1953	—
Royal Albert Dock ...	Ditto	New plant for impounding station	Vickers-Armstrongs, Ltd.	74,000	Aug., 1951	—
		Reconstruction of Gallions lower entrance lock...	J. Mowlem & Co., Ltd.	895,000	Sept., 1951	—
		Major repairs to sheds	Higgs & Hill, Ltd.	77,000	Jan., 1953	—
		Ditto	J. Mowlem & Co., Ltd.; Higgs & Hill, Ltd.	90,000	Jan., 1953	—
Tilbury Dock...	Ditto	Road improvement works	J. Mowlem & Co., Ltd.	62,000	Mar., 1952	—
		Main dock; construction of new berth at north quay	Holloway Bros. (London), Ltd....	670,000	May, 1953	—
		Construction of transit shed, approach roads and railway	Not yet let	350,000	Dec., 1954	—
The "Cutty Sark" Preservation Society	J. Rawlinson (*Hon. Cons. Engineer*)	Construction of a dry dock for the "Cutty Sark"	Sir R. McAlpine & Sons, Ltd....	120,000	1954	1955
Anglo-Iranian Oil Co.: Isle of Grain Refinery	Rendel, Palmer & Tritton...	Construction of four oil loading jetties and sea-water pump house	Sir R. McAlpine & Sons (S. Wales), Ltd.	822,294	Mar., 1951	Jan., 1954
		Construction of lubricating oil jetty, stores jetty and reconstruction of oil loading jetty	Ditto	400,000	Feb., 1953	June, 1954
British Transport Commission: South Wales Docks (East)	Ditto	Widening of junction cut between north and south docks and extension of swing bridge at Newport Docks	—	110,000	—	—
Town Quay	Southampton Harbour Board; *J. P. M. Pannell*	Rebuilding cargo warehouse (war damage)	Direct labour	50,000	1953	—
Berth "A," Whitehill Point, North Shields	Tyne Improvement Commission; *R. B. Porter*	Coal handling and loading plant	Simon Handling Engs., Ltd. ...	285,700	Feb., 1952	Oct., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Tanker Cleaning Facilities	Tyne Improvement Commission ; *R. B. Porter*	High-capacity berthing dolphins	Brims & Co., Ltd.	50,000	Aug., 1954	Dec., 1954
Middle Docks and Engineering Co., Ltd., South Shields	Waterhouse & Rounthwaite	Extension of dockyard and Nos. 1, 2 and 3 docks	Ditto	159,000	Sept., 1953	1954
King's Lynn Conservancy Board	Wilton & Bell	Reconstruction of South Quay, King's Lynn ...	Dredging & Constr. Co., Ltd. ...	90,000	Mar., 1953	Apr., 1954
John I. Thornycroft & Sons, Ltd.	Sir Bruce White, Wolfe Barry & Partners	Construction of No. 1 Slipway at Northam Yard	P. Lind & Co., Ltd.; A. W. Maclellan Ltd.	80,000	1953	1954
ABROAD						
Anglo-Iranian Oil Co., Ltd.	Anglo-Iranian Oil Co., Ltd.	B.P. bunkering extension at Aden	Motherwell Bridge Contr. & Trading Co., Ltd.	350,000	1953	Dec., 1954
Port Development Works, Colombo, Ceylon Govt.	Coode & Partners	Stage I : N.E. breakwater quay, oil dock, Delft pier, quay widening, reclamation, sheds, &c.	Compagnie Industrielle de Travaux ; Etablissements Billiard	3,000,000	June, 1950	Dec., 1955
		Stage II : S.W. breakwater quay, reclamation, sheds, &c.	Ditto	2,000,000	Feb., 1951	Dec., 1955
		Fishery trawler harbour...	Ditto	500,000	July, 1954	Dec., 1955
Apapa Wharf Extension, Lagos, Nigeria	Ditto	2565ft wharf wall, 370ft lighter berth, sheds, dredging, reclamation, railway sidings	R. Costain, Ltd.	2,600,000	Jan., 1950	Dec., 1955
Deep-water Quay, Dar-es-Salaam, Tanganyika	Ditto	1800ft quay wall, dredging, reclamation, sheds, &c.	J. L. Kier & Co. (London), Ltd.	1,630,000	Apr., 1951	Oct., 1955
Freetown, Sierra Leone	Ditto	500 tons tug slipway and launch slipway, reclamation, workshops, &c.	Pauling & Co., Ltd.	140,000	May, 1951	Apr., 1954
		Two warehouses and ancillary buildings	Ditto	172,000	May, 1952	Apr., 1954
Tiko Wharf, Cameroons Development Corpn.	Ditto	450ft screw pile wharf and lighter berth	Braithwaites & Co. Engs., Ltd.; Costain (West Africa), Ltd.	300,000	Dec., 1952	Aug., 1954
Mombasa Harbour, East African Railways and Harbours	Chief Engineer E. A. R. & H. ; Coode & Partners	1200ft of screw pile berths	Braithwaite & Co. Engs., Ltd. ...	1,100,000	Jan., 1953	June, 1955
Singapore Harbour Board	Coode & Partners	Graving dock	Gammon (Malaya), Ltd.	600,989	Nov., 1953	Nov., 1955
Govt. of India	Sir Alexander Gibb & Partners	Dredging, reclamation, construction of wharves, graving dock, buildings and ancillary works at Bombay	Hind Constr. Co.; and others ...	4,000,000	Sept., 1954	—
Tripoli : Libyan Public Development and Stabilisation Agency	Sir William Halcrow & Partners	Karamanli oil berth and mole	Société Dumez, Tunis	120,000	Oct., 1953	1954
Port of Kuwait	Ditto	Dredging entrance channel	Overseas Dredging Co., Ltd. ...	1,500,000	1953	1954
Port of Tema, Gold Coast	Ditto	Preliminary works for new port : roads, railways, water supply and camps	G. Wimpey & Co., Ltd.; Taylor Woodrow (West Africa), Ltd.; B.B.C. Constr. Co. (Accra)	2,250,000	Oct., 1952	1954
		Construction of four-berth harbour	Parkinson-Howard, Ltd.	9,000,000	Oct., 1954	1958
Shell Petroleum Co., Ltd., Singapore	Ditto	Four deep-water oil berths	Gammon (Malaya), Ltd.	300,000	June, 1953	Sept., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
ABROAD						
Burma Shipping Board, Akyab	Raglan Squire & Partners...	Reconstruction and extension of dock facilities...	Not yet let	—	1955	—
Govt. of Pakistan	Rendel, Palmer & Tritton (M. R. V. Pakistan)	Construction of dry dock and fitting-out berth at Karachi	G. Wimpey & Co., Ltd.	1,000,000	Jan., 1952	1954
		Dockyard buildings and services, Karachi dockyard	Various local firms	500,000	1951	1954
Anglo-Iranian Oil Co., Kwinana, Australia	Rendel, Palmer & Tritton...	Jetties for new oil refinery	Kwinana Constr. Group Pty. ...	1,500,000	1953	Dec., 1954
Anglo-Iranian Oil Co. ...	Ditto	Aden oil port : dredging and reclamation... ...	Dredging and Constr. Co., Ltd.; K. L. Kalis, Sons & Co., Ltd.	—	Dec., 1952	Sept., 1954
		Aden oil harbour for four large tankers	G. Wimpey & Co., Ltd.	—	Nov., 1952	Nov., 1954
Extensions to Takoradi Harbour, Gold Coast	Ditto	Timber depot, deep-water wharf extensions, oil berth, bauxite berth, land reclamation, sheds, cranes, &c.	Taylor Woodrow (West Africa), Ltd.	4,500,000	June, 1949	1954
Chittagong Port Expansion	Rendel, Palmer & Tritton (M.R.V. Pakistan)	Construction of seven steel screwpile jetties ...	Braithwaite & Co. (Engrs.), Ltd.	3,000,000	Dec., 1950	1954
Aden Port Trust	Sir Bruce White, Wolfe Barry & Partners	Development of the port : dredging and reclamation	Dredging & Constr. Co., Ltd.; K. L. Kalis, Sons & Co., Ltd.	970,000	1954	1957
		Extension to import pier ; new lighter, cut and basin, repairs basin and ancillary works	Pauling & Co., Ltd.	850,000	1954	1957
Bombay Port Trust ...	Ditto	Marine oil terminal, Bombay : deep water berths and other works	Royal Netherlands Harbour Works, Ltd.; Shapoorji Pallonji, Ltd.	2,000,000	1953	1956
		Submarine pipe band, including pump houses, water supply, etc.	Merritt, Chapman & Scott Corpn. Ltd.; Hindustan Constr. Co., Ltd.	2,600,000	1953	1956
Bombay Port Trust; Burmah Shell Refineries, Ltd.; Tata Power Co., Ltd.	Ditto	Bund at Pir Pau	Patel & Motichand, Ltd.	615,000	1953	1956
Burmah Shell Refineries, Ltd.; Tata Power Co., Ltd.	Ditto	Jetty at Pir Pau and cooling water intake caissons	Royal Netherlands Harbour Works, Ltd.	731,000	1953	1955
Penang Harbour Board	Ditto	Reconstruction of the Japanese wharf, Weld quay, Penang	Sino Malayan Engrs	64,000	1954	1955
Elder Dempster Lines Ltd.	Ditto	New slipway at Wilmot Point, West Africa ...	Taylor Woodrow (West Africa) Ltd.; M.A.N.	140,000	—	—
Govt. of Saurashtra ...	Ditto	Construction of dock entrance	Not yet let	322,500	—	—
Govt. of Fiji	Wilton & Bell	Harbour scheme at Suva	Ditto	1,500,000	—	—
		Wharf at Lautoka	Ditto	225,000	—	—
		Slipways at Suva	Ditto	420,000	—	—
		Oil berths at Suva	Ditto	175,000	—	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**HYDRO-ELECTRIC WORKS** (*Figures in brackets give the installed capacity of the scheme and the estimated annual production*)		£		
NORTH OF SCOTLAND HYDRO - ELECTRIC BOARD'S SCHEMES :						
Glen Shira	Babtie, Shaw & Morton ; Merz & McLellan	Dams, tunnels, power stations, and other works (45MW, 80 × 10⁶kWh)	A. M. Carmichael, Ltd., and others	5,000,000	1948	First stage, 1954
Gaur	Babtie, Shaw & Morton ; Strain & Robertson	Dam, penstock, power station, and other works (6MW, 17 × 10⁶ kWh)	A. A. Stuart & Sons (Glasgow), Ltd.; P. L. J. Heron, Ltd.	650,000	Jan., 1951	1954
Allt-na-Lairige	Babtie, Shaw & Morton ; Merz & McLellan	Dam, tunnel, penstock, power station, and other (6MW, 20 × 10⁶kWh)	Marples, Ridgway & Ptnrs., Ltd.	1,000,000	1953	1956
Storr Lochs	Blyth & Blyth	Pipeline for further development	Not yet let	60,000	1954	—
Cowal Extensions	Crouch & Hogg	Aqueducts, tunnels and steel pipeline (complete scheme, 6MW, 14 × 10⁶kWh)	R. J. McLeod (Contrs.), Ltd. ...	350,000	1953	1956
Tummel Garry Project, Stage II	Sir Alexander Gibb & Partners ; Merz & McLellan	Hydro-electric development, Errochty Section (75MW, 103 × 10⁶kWh)	A. M. Carmichael, Ltd., and others	7,250,000	Nov., 1948	—
Fannich Project	Ditto	Aqueducts for further hydro-electric development in Ross-shire	W. Tawse, Ltd.	780,000	Nov., 1950	—
Glascarnoch - Luichart - Torr Achilty Project : Stages I and II	Ditto	Hydro-electric development in Conon Basin (65·4MW, 280 × 10⁶kWh)	A. M. Carmichael, Ltd.; G. Wimpey & Co., Ltd.; W. Tawse, Ltd.; Reed & Mallik, Ltd.; Duncan Logan (Contrs.), Ltd.; J. Campbell & Sons (Bldg. Contrs.), Ltd.; P. & W. MacLellan, Ltd.; and others	10,000,000	1950	—
Garry Project	Sir William Halcrow Partners ; Kennedy & Donkin	Dams, tunnels, generating stations and fish heck (42MW, 168 × 10⁶kWh)	Whatlings, Ltd.; R. Costain, Ltd.	7,000,000	1951	1955
Moriston Project	Ditto	Dam, tunnels and generating stations (67MW, 216 × 10⁶kWh)	Mitchell Constr. Co., Ltd.; Duncan Logan (Contrs.), Ltd.	8,000,000	1952	1957
Breadalbane : St. Fillans and Comrie Works only	Sir M. MacDonald & Partners ; Kennedy & Donkin	Dams, tunnels, power stations, &c. (complete scheme, 88·5MW, 304 × 10⁶kWh)	Mitchell Constr. Co., Ltd.; Taylow Woodrow Constr., Ltd.; Struthers & Denny, Ltd.	4,500,000	Mar., 1954	May, 1958
Loch Shin Scheme: Main and Cassley Works	Ditto	Dams, tunnels, aqueducts, power stations, &c. (complete scheme, 44MW, 167 × 10⁶kWh)	G. Wimpey & Co., Ltd.; R. J. McLeod (Contrs.), Ltd.; W. Tawse, Ltd.	5,000,000	May, 1954	May, 1958
Breadalbane : Lyon - Lochay Works	James Williamson & Partners ; Merz & McLellan	Dams, tunnels, power stations, &c. (51·2MW, 174 × 10⁶kWh)	E. Nuttall, Sons & Co. (London), Ltd.; J. Miller & Ptnrs., Ltd.	4,000,000	Aug., 1953	—
Giorra Works	Ditto	Dam, tunnel, power station, aqueducts (11MW, 25 × 10⁶kWh)	Not yet let	—	1955	—
Lawers	Ditto	Dam, tunnel, pipeline, valves and sluices, power station and collecting aqueducts (30MW, 80 × 10⁶kWh)	Cementation Co., Ltd.; P. & W. MacLellan, Ltd.; Glenfield & Kennedy, Ltd.	4,250,000	May, 1951	1956
Lussa	James Williamson & Partners	2-mile tunnel and aqueduct to extend catchment area	J. Woodrow & Sons, Ltd.	200,000	Apr., 1953	1956
Dolgarrog, North Wales	Freeman, Fox & Partners...	Aqueducts and power station extension	J. Laing & Son, Ltd.	350,000	Sept., 1954	Dec., 1956
		Turbo-alternator plant extension...	Boving & Co., Ltd.	80,000	June, 1954	Sept., 1956
Maentwrog, North Wales	Ditto	Aqueducts and power station extension	J. Laing & Son, Ltd.	420,000	Sept., 1954	Dec., 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HYDRO-ELECTRIC WORKS (*continued*)		£		
ABROAD						
Uganda Electricity Board : Owen Falls	Sir Alexander Gibb & Partners; Kennedy & Donkin	Hydro-electric development, 150MW dam across River Nile, raising the level of Lake Victoria	Owen Falls Constr. Co., and others	6,000,000	Oct., 1949	—
Dominion of New Zealand : Atiamuri Power Project	N.Z. Ministry of Works ; Sir Alexander Gibb & Partners	Dam and power station on Waikato River, North Island (63MW)	Ministry of Works : direct labour	4,000,000	1954	—
State Electricity Commission of New South Wales : Hume Power Station	Sir Alexander Gibb & Partners	Power station (50MW), as part of Murray River hydro-electric scheme	New South Wales P.W.D.... ...	800,000	Feb., 1954	—
Aswan Dam Hydro-Electric Scheme : Govt. of Egypt	Kennedy & Donkin ; Scott & Wilson, Kirkpatrick & Partners ; V.B.B.	Intake dam, power-house (7×49·5MVA and 2×13·5MVA), tunnels, gates	Société des Grands Travaux de Marseille ; Société des Forges et Ateliers du Creusot	12,000,000	1953	1960
Ceylon Hydro - Electric Scheme : Ceylon Govt.	Preece, Cardew & Rider ; Coode & Partners	Dam, power station extension and other works...	Grun & Bilfinger A.G.	2,400,000	1954	1958
		IRRIGATION				
ABROAD						
Wadi Tharthar Project : Iraq Development Board	Coode & Partners	Excavation for inlet channel and construction of embankment	Balfour, Beatty & Co., Ltd. ...	6,000,000	Oct., 1951	Dec., 1955
		Barrage across River Tigris and hydro-electric power station	Ed. Zublin A.G.	5,000,000	Feb., 1953	Dec., 1956
Ramadi Barrage : Iraq Development Board	Ditto	Construction of barrage of 24 openings and lock	Société Anonyme Hersent	1,416,763	Mar., 1952	Dec., 1955
Sudan Govt.	Sir Alexander Gibb & Partners	Guneid pumping station	Misr Concrete Development Co., British suppliers of plant and materials	650,000	Oct., 1952	—
HOME						
POWER STATIONS OF THE BRITISH ELECTRICITY AUTHORITY :		**POWER STATIONS**				
Carrington (Manchester)	C. S. Allott & Son	Foundations, superstructure, c.w. system, river works, &c.	M. J. Gleeson (Contrs.), Ltd.; Sir W. Arrol & Co., Ltd., and others	4,800,000	1948	1955
Elland	Brian Colquhoun & Partners	Excavation, bulk earthworks, flood embankment, &c.	Holland & Hannen and Cubitts, Ltd.	150,000	Oct., 1954	Feb., 1955
		Foundations, c.w. system, &c.	Not yet let	1,100,000	Feb., 1955	Oct., 1956
Willington "A"	Ewbank & Partners, Ltd.; Sir William Halcrow & Partners	Foundations, c.w. system, structural steelwork and superstructure	Marples Ridgway & Ptnrs., Ltd.	3,500,000	Jan., 1954	1957
Keadby	Ditto	Foundations, c.w. system, structural steelwork, superstructure and chimneys	Sir R. McAlpine & Sons, Ltd.; United Steel Co.; Chimneys, Ltd.	5,835,000	Mar., 1948	1955
Doncaster	Ditto	Foundations, c.w. system, structural steelwork, superstructure and chimneys	Higgs & Hill, Ltd.; J. Gerrard & Sons, Ltd.; Wright Anderson & Co., Ltd.; Tileman, Ltd.	1,900,000	May, 1950	1954
Castle Donington	Freeman, Fox & Partners...	Foundations, steelwork, buildings, river works, chimneys, &c.	Taylor Woodrow Constr., Ltd.; Sir W. Arrol & Co., Ltd.; J. L. Kier & Co., Ltd., and others	7,250,000	Nov., 1951	1957

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
HOME						
Portishead	Sir William Halcrow & Partners	Foundations, c.w. system, structural steelwork and superstructure	C. Brand & Son, Ltd.; Sir W. Arrol & Co., Ltd.; J. Laing & Son, Ltd.	4,900,000	Nov., 1951	1957
Marchwood	Ditto	Foundations, c.w. system, structural steelwork and superstructure	Sir R. McAlpine & Sons, Ltd.; A. Findlay & Co., Ltd.; Staverton Builders, Ltd.	5,500,000	Aug., 1952	1956
Chadderton	Kennedy & Donkin ; L. G. Mouchel & Partners, Ltd.	Foundations and buildings, c.w. system, &c. ...	M. J. Gleeson, Ltd.; E. Wood & Co., Ltd.; J. Jarvis & Sons, Ltd.	5,100,000	1949	1958
Huncoat (Accrington) ...	Ditto	Foundations and buildings, c.w. system, &c. ...	J. Jarvis & Sons, Ltd.; J. Gerrard & Sons, Ltd.; Bierrum & Ptnrs., Ltd.; Simon-Carves, Ltd.	3,400,000	1948	1959
Portobello (Edinburgh)...	Kennedy & Donkin ; Kinnear & Gordon ; Andrews Kent & Stone	Extension of generating station	Melville, Dundas & Whitson ; J. Gill	600,000	1952	1956
Westwood (Wigan) ...	Kennedy & Donkin ; C. S. Allott & Son	Foundations and buildings, coaling wharf, c.w. system, &c.	W. Moss & Sons, Ltd.; Mitchell Constr. Co., Ltd., and others	2,100,000	1947	1954
Rogerstone	Kennedy & Donkin ; Sir Bruce White, Wolfe Barry & Partners	Access roads and bulk excavation	Tarmac, Ltd.	25,000	1954	1955
		Piling, foundations, buildings, &c.	Not yet let	2,000,000	1955	1957
Kincardine	Kennedy & Donkin ; James Williamson & Partners	Foundations, buildings, c.w. system, sea wall ...	Ditto	8,000,000	1955	1958
Penwortham	Kennedy & Donkin	Site and civil works at 132/275kV grid substation	J. Gerrard & Sons, Ltd.	106,000	Mar., 1954	July, 1955
Pyle	Ditto	Site, piling and civil works at 132kV grid substation	Holland & Hannen and Cubitts, Ltd.	110,000	June, 1954	Feb., 1955
Rochdale	Ditto	Site and civil engineering works at 132/275kV grid substation	L. Fairclough, Ltd.	100,000	Sept., 1954	Sept., 1955
Stella North	Merz & McLellan	Main superstructures ; ash quay, settling ponds, and pump houses ; foundations and superstructure for 132kV substation ; cooling towers ; chimneys ; steel frame	Sir R. McAlpine & Sons (Newcastle-on-Tyne), Ltd.; Davenport Eng. Co., Ltd.; D. Theaker & Co., Ltd.; Cleveland Bridge & Eng. Co., Ltd.	3,073,200	1953	—
Stella South	Ditto	Main superstructures ; ash quay, settling ponds and transfer pump house ; c.w. pump house ; steel frame ; chimneys	Sir R. McAlpine & Sons (Newcastle-on-Tyne), Ltd.; Cleveland Bridge & Eng. Co., Ltd.; P. C. Richardson & Co., Ltd.	3,027,000	1952	—
Drakelow	Ditto	Civil works at 275kV grid substation	Sir R. McAlpine & Sons (Midlands), Ltd.	100,000	Sept., 1953	May, 1954
Littlebrook "C"	Merz & McLellan ; Sir Alexander Gibb & Partners	Foundations, buildings, river works, chimneys, roads, &c.	Holloway Bros. (London), Ltd.; Tileman & Co., Ltd.	2,750,000	Jan., 1949	—
Tilbury	Ditto	Roads, railways, piling and foundations, buildings, river works, tunnels, chimneys, precipitator casings, &c.	Holloway Bros. (London), Ltd.; Bierrum & Ptnrs.; W. Lawrence & Son, Ltd.; Tileman & Co., Ltd.	5,750,000	July, 1950	—
Goldington	Ditto	Foundations and buildings, river works, chimneys, precipitator casings, &c.	Mitchell Constr. Co.; Bierrum & Ptnrs.	2,500,000	June, 1950	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
HOME						
Skelton Grange	Merz & McLellan; Sir Alexander Gibb & Partners	Foundations, buildings, river works, roads, railways, cooling towers, chimneys, &c.	H. Arnold & Son, Ltd.; Marples, Ridgway & Ptnrs, Ltd.; Holst & Co., Ltd.; J. L. Kier & Co., Ltd.	4,000,000	July, 1947	—
Meaford "B"	Ditto	Foundations, buildings, railway sidings, approach road, cooling towers, chimney, ash settling ponds	G. Percy Trentham, Ltd.; Davenport Engr. Co., Ltd.; P. C. Richardson & Co. (Middlesbrough), Ltd.	2,500,000	Oct., 1950	—
Roosecote, Barrow-in-Furness	Merz & McLellan; James Williamson & Partners	Preliminary civil engineering works, main foundations, c.w. works and steel pipelines	J. Gerrard & Sons, Ltd.; Franki Piling Co., Ltd.; Bierrum & Ptnrs., Ltd.; Horseley Bridge & T. Piggott, Ltd.; and others	1,050,000	Sept., 1949	1954
Bold "A," St. Helens ...	Ditto	Foundations, ancillary works and extensions ...	J. Laing & Son, Ltd.; T. W. Ward, Ltd.; Norwest Constr. Co., Ltd.; and others	715,000	Jan., 1951	1954
Ferrybridge, Yorks ...	Mott, Hay & Anderson ...	Foundations, superstructure, chimneys, &c. ...	G. Wimpey & Co., Ltd.; C. Brand & Son, Ltd.	3,500,000	1952	1956
Rugeley, Staffs	Ditto	Foundations, superstructure, chimneys, &c. ...	Not yet let	3,500,000	1955	1959
Brighton "B"	L. G. Mouchel & Partners, Ltd.	Final extension, foundations, buildings and chimney	Holloway Bros. (London), Ltd.; part not yet let	1,000,000	1953	—
Hackney	Ditto	Foundations, superstructure, wharf, c.w. system and chimney	J. L. Kier & Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.; and J. Morgan (Bldrs.), Ltd.	2,000,000	1950	1955
Connah's Quay, Chester	Ditto	Reclamation, foundations, superstructure, c.w. system, &c.	Westminster Dredging Co., Ltd.; Yorkshire Hennebique Contr. Co., Ltd.; A. Tileman & Co., Ltd.; F. Morton & Co., Ltd.; J. Gerrard & Sons, Ltd.	2,300,000	1950	—
Fleetwood, Lancs	Ditto	Reclamation, foundations, superstructure, cooling towers, &c.	M. J. Gleeson (Contrs.), Ltd.; E. Wood & Co., Ltd.	2,300,000	1950	—
Hams Hall "C"	Ditto	Foundations, superstructure, c.w. system, prestressed bridges, &c.	Sir R. McAlpine & Sons (Midlands), Ltd.; Braithwaite & Co., Struct., Ltd.	5,000,000	1952	—
Drakelow "A"	Ditto	Foundations, superstructure, chimneys, cooling tower, c.w. system, &c.; prestressed concrete tanks (1½ m.g. capacity), and elevated coal tunnels	Sir R. McAlpine & Sons (Midlands), Ltd.; Mitchell Constr. Co.; P. C. Richardson & Co. (Middlesbrough), Ltd.	5,000,000	1951	—
Lincoln	Ditto	Second extension, piling, foundations, superstructure, cooling towers, &c.	Not yet let	1,000,000	—	—
East Yelland	Preece, Cardew & Rider; Sir Alexander Gibb & Partners	Roads, sidings, foundations, river works, superstructures, chimney	C. Brand & Sons, Ltd.; Taylor Woodrow Constr., Ltd.; J. Lysaghts, Ltd.; Staverton Bldrs., Ltd.; Tileman & Co., Ltd.	3,150,000	July, 1949	—
Ince	Rendel, Palmer & Tritton ...	Sidings, foundations and culverts, structural steelwork, cooling towers, chimneys, superstructure	B.C.S. (Engs. & Constr.), Ltd.; Holland & Hannen and Cubitts, Ltd.; Horseley Bridge & T. Piggott, Ltd.; Film Cooling Towers, Ltd.; D. Theaker, Ltd.	—	Apr., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
HOME						
South Denes	Rendel, Palmer & Tritton ...	Foundations, river works, c.w. culverts, and sea outfall	P. Lind & Co., Ltd.	—	1954	1956
Clyde's Mill	Strain & Robertson	Extension : foundations, structural steelworks, superstructure, buildings, c.w. works	Holst & Co., Ltd.; W. & J. R. Watson, Ltd.; Redpath Brown & Co., Ltd.	350,000	1952	1955
Dalmarnock	Strain & Robertson; Ronald Walker & Co.	Reconstruction : foundations, structural steelwork, railway sidings, &c.	Holloway Bros. (London), Ltd.; W. & J. R. Watson, Ltd.; Redpath Brown & Co., Ltd.	700,000	1952	1956
Barony, Ayrshire	James Williamson & Partners	Preliminary civil engineering ; structural steelwork ; main foundations and ancillary works ; superstructure ; two cooling towers	J. Laing & Son, Ltd.; Colville Constr. Co.; part not yet let	554,000	1953	—
Bold " B," St. Helens ...	Ditto	Main foundations and ancillary works ; structural steelwork	Not yet let	—	1955	1957
North Thames Gas Board	Brian Colquhoun & Partners	Foundations and superstructure of power house at tar and ammonia products works, Beckton	Sir R. McAlpine & Sons, Ltd. ...	131,000	Oct., 1953	1955
Bowater Paper Corpn., Kemsley Mill	Ewbank & Partners, Ltd.; Farmer & Dark	Power plant extensions ; foundations and superstructure, chimney, coal handling and pipe-line foundations	Higgs & Hill, Ltd.	380,000	Apr., 1953	Dec., 1955
Bowater Paper Corpn., Thames Mill	Ditto	Power plant extensions ; foundations and superstructure, chimney	Ditto	186,000	Jan., 1954	July, 1956
Anglo-Iranian Oil Co. ...	Ewbank & Partners, Ltd.; Rendel, Palmer & Tritton	Power station for Kent oil refinery	Sir R. McAlpine & Sons (S. Wales), Ltd.	2,300,000	Jan., 1951	Mar., 1954
City and County Borough of Belfast	Merz & McLellan ; James Williamson & Partners	Belfast Municipal Power Station West : c.w., switch-house, coal and ancillary works, and superstructure	Stewart & Partners, Ltd.; H. & J. Martin	657,500	1953	—
		First extension: main excavation and piling works	Stewart & Partners, Ltd.	115,000	May, 1954	—
		Municipal power station East extensions : accommodation building superstructure	J. M. Reilly, Ltd.	83,700	Nov., 1953	—
ABROAD						
Tata Iron & Steel Co., Jamshedpur	Associated Consulting Engineers (India)	New boiler-house and foundations	Babcock & Wilcox of India, Ltd.	180,000	1954	1956
Karachi " B "	Brian Colquhoun & Partners	Foundations, c.w. monolith, pump house, mains and outfall works, chimneys, steel superstructure, ancillary buildings; roads, transmission tower foundations and substation buildings	Omar, Sons, Ltd.; Herman & Mohatta, Ltd.; Sainrapt et Brice S.A.; part not yet let	873,000	1953	1955
Connaught Bridge Station : Federation of Malaya (Crown Agents)	Coode & Partners ; Preece, Cardew & Rider	Steelwork, foundations, c.w. system, main building and extension	Redpath, Brown & Co., Ltd.; Ewart (Civil Engs.), Ltd.; Bong Sin & Co.	750,000	Sept., 1948	1954
Pasir Panjang : City of Singapore	Ditto	Foundations, building, c.w. system, jetty, roads, &c., structural steelwork and extension	G. Wimpey & Co., Ltd.; Redpath, Brown & Co., Ltd.	1,900,000	Dec., 1950	1954
Ijora " B " Lagos : Electricity Corpn. of Nigeria	Ditto	Foundations, c.w. system, reinforced concrete chimney, steelwork, main building, roads, &c.	R. Costain, Ltd.; Baume et Marpent	1,750,000	Apr., 1951	Dec., 1955
Aden Electricity Department	Ditto	Foundations, c.w. system, erection of steelwork, building	Mitchell Eng. Group, Ltd.	172,000	Nov., 1951	Jan., 1955
Oji River: Electricity Corpn. of Nigeria	Ditto	Foundations, c.w. system, weir, steelwork, building, roads, &c.	R. Costain, Ltd.; Baume et Marpent	452,025	Mar., 1953	Dec., 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
ABROAD		**POWER STATIONS** (*continued*)		£		
H.H. The Ruler of Kuwait	Ewbank & Partners, Ltd. ...	Station " A " foundations, superstructure, c.w. system, jetty, &c.	Gulf Engineering Co., Ltd.... ...	1,118,000	Jan., 1952	Nov., 1954
Jamaica Public Service Co., Ltd.	Ewbank & Partners, Ltd.; Tripe & Wakeham	Foundations, c.w. system, structural steelwork, superstructure	Abraham Henriques & Joy; Franki Pile Co.; Mais and Sant; R. Aitken, Ltd.; Boulton & Paul	218,800	Oct., 1951	1954
City Council of Bloemfontein	Merz & McLellan (South Africa); Sir Alexander Gibb & Partners (Africa)	Cooling towers and new power station with extensions	Lewis Constr. Co. Pty. (S. Africa)	650,000	Nov., 1950	—
Pretoria Corpn.: Pretoria " B "	Merz & McLellan; F. E. Kanthack & Partners (Johannesburg)	Stage 3: extension of foundations, r.c. buildings and c.w. system	J. Thompson (Pty.), Ltd.	251,000	Nov., 1953	1956
City of Salisbury, S'n. Rhodesia	Ditto	Salisbury No. 3 station: foundations for turbo-alternators and boilers; buildings for two 30MW turbo-alternators and three 210klb/hr. boilers	Holland Africa Constr. Co., Ltd.; Roberts Constr. Co., Ltd.	390,000	Nov., 1953	June, 1955
Johannesburg Corpn.: Orlando Extensions	Ditto	Superstructure and transmission tower foundations	Concor Constr. Corpn. (Pty.), Ltd.; African Transmission Constr. Co., Ltd.	219,600	July, 1952	—
Johannesburg Corpn.: Kelvin	Ditto	Railway sidings, bridges and culverts; main foundations	L. Laing & Son (S.A.) (Pty.), Ltd.; Roberts Constr. Co., Ltd.	269,000	Jan., 1953	—
Govt. of Bombay	Merz & McLellan (India); Rendel, Palmer & Tritton	Second extension of Chola power station	J. H. Billimoria & Co., Ltd.; Richardson & Crudas, Ltd.	157,800	1951	—
Govt. of Madras	Ditto	Extensions to Basin Bridge " B " power station ...	Coromandel Eng. Co., Ltd.; Simplex Concrete Piles (India), Ltd.; J. C. Gammon, Ltd., and others	200,000	1950	1954
Govt. of Pakistan	(M.R.V. Pakistan); Merz & McLellan; Rendel, Palmer & Tritton	Diesel power station	—	375,000	1953	1955
Penang Municipality ...	Preece, Cardew & Rider; Freeman, Fox & Partners	Power station foundations, buildings, c.w. system, &c.	Not yet let	454,000	1954	1957
Electricity Authority of Cyprus	Preece, Cardew & Rider; Scott & Wilson, Kirkpatrick & Partners	Dekhelia power station, foundations, buildings, roads, c.w. system	Sir L. Parkinson & Co., Ltd. ...	230,000	1950	May, 1954
		Dekhelia power station, 1st and 2nd extensions ...	Not yet let	160,000	Apr., 1955	—
Electricity Corpn. of Nigeria	Ditto	Kano " B " power station, foundations, buildings, &c.	Taylor Woodrow (West Africa), Ltd.	130,000	Aug., 1953	Dec., 1954
Sudan Govt.	Ditto	Port Sudan power station foundations, buildings, &c.	Direct labour	90,000	1953	—
		Atbara power station foundations, buildings, &c.	Ditto	70,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**RAILWAYS**		£		
WORKS OF BRITISH RAILWAYS :						
Manchester – Sheffield – Wath	B.R., Eastern and London Midland Regions ; *J. I. Campbell, J. Taylor Thompson*	Electrification	G. Longden & Son, Ltd.; C. R. Price ; Tersons, Ltd.; E. B. Jones & Rawlinson, Ltd.; Fletcher & Sharp ; Wellerman Bros., Ltd.	11,027,092	1947	Dec., 1954
Bramwith Deviation Railway	B.R., Eastern Region ; *J. I. Campbell*	Reconstruction of bridges Nos. 7 and 8	P. & W. MacLellan, Ltd.; Cleveland Bridge & Eng. Co., Ltd.	185,169	Apr., 1952	Dec., 1955
Parkeston Quay	Ditto	Reconstruction of eastern section of quay	W. & C. French, Ltd.	345,587	July, 1952	Nov., 1954
Ipswich	Ditto	New motive power depot	W. & C. French, Ltd.; G. A. Kenney & Sons, Ltd.	333,912	July, 1952	Sept., 1954
Torksey Viaduct	Ditto	Reconstruction of flooring of underline bridge ...	S. Butler & Co., Ltd....	51,328	Mar., 1953	July, 1954
Barking	Ditto	Diversion of Loxford Water ; construction of watercourse, sewage pumping station, drainage, fencing	W. & C. French, Ltd.	84,333	Aug., 1953	Oct., 1954
Potters Bar	Ditto	Station reconstruction and widening	M. J. Gleeson (Contrs.), Ltd.; Kirk & Kirk, Ltd.	501,257	Apr., 1953	Mar., 1955
Peterborough	Ditto	Central stores depot	Pitchers, Ltd.	105,108	Apr., 1954	1956
London–Tilbury–Southend electrification	Ditto	Improvements for steam working pending electrification	Tersons, Ltd.; Caffin & Co., Ltd.; M. J. Gleeson (Contrs.), Ltd.	231,113	1954	1955
Shenfield–Southend (Victoria) and Shenfield–Chelmsford electrification	Ditto	Renewal of permanent way, earthworks, drainage and ballasting	Tersons, Ltd.; Rotinoff Constr., Ltd.	181,525	Apr., 1954	May, 1955
Greenwood–Potters Bar	B.R., Eastern Region : *J. I. Campbell ;* Sir William Halcrow & Partners	Widening, construction of new tunnels, station alterations	Not yet let	1,820,000	1955	1958
St. Pancras Way	B.R., London Midland Region : *J. Taylor Thompson*	New road motor depot	F. Bradford & Co., Ltd.	135,590	May, 1951	Dec., 1954
Liverpool Exchange Station	Ditto	Renewal of roof	Robertsons Building Service ; Mellowes& Co., Ltd., and others	121,500	Aug., 1950	Dec., 1955
Liverpool, Huskisson ...	Ditto	Reconstruction of goods depot	Dorman, Long & Co., Ltd.; J. H. & W. Bell, Ltd., and others	195,018	Mar., 1952	1955
Leicester...	Ditto	Modernisation of motive power depot	Gee Walker & Slater, Ltd.; H. Lees & Co., Ltd.; John Boyd & Co. (Engrs.), Ltd.	385,457	May, 1951	Mar., 1955
Liverpool, Lime Street...	Ditto	Station improvements	Robert Myles, Ltd.	59,471	Apr., 1952	Dec., 1954
Crewe North	Ditto	Modernisation of motive power depot	Fairclough, Ltd.; S. & C. Walmsley, Ltd.	900,000	Aug., 1953	1957
Crewe	Ditto	Construction of apprentices' training school ...	Holland & Hannen and Cubitts, Ltd.; David Thomson & Sons (London), Ltd.	170,894	May, 1953	Mar., 1955
Walsall Motive Power Depot	Ditto	Renewal of roof, pits and paving...	E. Wood & Sons, Ltd.; Redpath Brown & Co., Ltd.; Mellowes & Co., Ltd.	74,450	Dec., 1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Carpenders Park	B.R., London Midland Region : *J. Taylor Thompson*	New station	Tersons, Ltd.	134,000	Mar., 1952	Sept., 1954
Workington	Ditto	Renewal of engine shed roof, engine pits and paving	Redpath Brown & Co., Ltd.; John Laing & Son, Ltd. ...	68,185	June, 1954	Apr., 1955
Euston Station	Ditto	Reconstruction and widening of platforms Nos. 12–15	Redpath Brown & Co., Ltd. ...	113,904	Jan., 1954	Feb., 1955
Dukinfield C. & W. Works	Ditto	Roof repairs and renewals	W. H. Heywood & Co., Ltd. ...	100,000	Apr., 1954	Dec., 1954
Carlisle Citadel	Ditto	Renewal of roof	The Demolition & Constr. Co., Ltd.; Mellowes & Co., Ltd.; Weston & Co. (Manchester), Ltd.; S. Butler & Co., Ltd.	213,290	Oct., 1954	1956
Chester	Ditto	Renewal of roof	The Demolition & Constr. Co.; Weston & Co. (Manchester), Ltd.; W. G. Kaleyards, Ltd.	161,339	Nov., 1954	1956
Clay Cross	Ditto	Sidings for N.C.B.: coke-oven plant	L. Fairclough, Ltd.	400,000	Nov., 1954	Dec., 1955
Bradford, Forster Square Station	B.R., North-Eastern Region : *A. Dean*	Reconstruction of roof over platforms and concourse, station improvements	S. Butler & Co., Ltd.; Helliwell & Co., Ltd.; A. R. Farrer & Co.; E. Davis (Fixers), Ltd.; F. & J. Watkinson	96,646	Oct., 1953	June, 1955
Thornaby	Ditto	Construction of new motive power depot	L. Fairclough, Ltd.; Arthur Robinson (Contrs.), Ltd.; S. Butler & Co., Ltd.; Henry Lees & Co., Ltd.	987,819	Oct., 1953	1958
Ouseburn Viaduct... ...	Ditto	Strengthening, waterproofing of deck and conversion to ballasted track	Dorman, Long & Co., Ltd. ...	58,393	May, 1954	Dec., 1954
Middlesbrough Station...	B.R., North-Eastern Region : *A. Dean ;* John Dossor	Reconstruction of roof and station improvements	Dorman, Long & Co., Ltd.; Sir R. McAlpine & Sons (Newcastle-on-Tyne), Ltd.	68,869	Mar., 1954	1955
Dinsdale...	B.R., North-Eastern Region : *A. Dean*	Transfer of slag plant from Lackenby...	Tarslag, Ltd.; part not yet let ...	105,328	1954	1956
Oakley	B.R., Scottish Region : *M. G. Maycock*	New marshalling yard	Whatlings, Ltd.; Clydeside Constr. Co., Ltd.; Cowans Sheldon & Co., Ltd.	190,075	Sept., 1949	Mar., 1955
Mallaig Harbour	Ditto	Reconstruction of inner berth	H. M. Murray & Co., Ltd. ...	61,000	Jan., 1952	Dec., 1954
Bathgate	Ditto	New engine shed	T. Gebbie & Co., Ltd.	132,193	June, 1952	Dec., 1954
Aberdeen, Guild Street...	Ditto	Modernisation of goods shed	Donald C. Stewart	69,194	Sept., 1952	Dec., 1954
Thornton	Ditto	New marshalling yard	G. Wimpey & Co., Ltd.; Whatlings, Ltd.; Westinghouse Brake & Signal Co., Ltd.	1,353,465	Dec., 1952	Dec., 1956
Queensferry Passage ...	Ditto	Additional berthing facilities at North and South Queensferry	G. Wimpey & Co., Ltd.	154,500	July, 1954	Dec., 1955
Stirling Motive Power Depot	Ditto	Modernisation ; new machine shop and stores...	W. Baird & Son, Ltd.	55,978	Nov., 1954	Sept., 1955
Glasgow, Eastfield ...	Ditto	Improved facilities and new machine shop... ...	Ditto	113,291	Nov., 1954	May, 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Stranraer...	B.R., Scottish Region : *M. G. Maycock*	Repairs to pier...	McKean & Co. (Glasgow), Ltd.	57,000	Jan., 1954	Mar., 1955
Glenchiel Colliery... ...	Ditto	New branch line	Not yet let	99,563	—	—
Alloa	Ditto	New marshalling yard	Ditto	483,803	—	—
Change of electrical frequency in the London suburban electrified area	B.R., Southern Region : *F. E. Campion*	Adoption of standard frequency of 50 c/s for traction current supplies ; construction of substations, track paralleling huts, control room	Tersons, Ltd.; Demolition & Constr. Co., Ltd.; J. W. Ellingham, Ltd.; Trollope & Colls, Ltd.; L. & W. Whitehead, Ltd.; J. B. Edwards & Co. (Whyteleafe), Ltd.; J. Longley & Co., Ltd.; W. H. Gaze & Sons, Ltd.	11,547,000	1952	1957
Operation of ten-car electric trains on Southern Region, Eastern Section	Ditto	Extension of platforms, bridge widening, earthworks	L. & W. Whitehead, Ltd.; A. Watson, Ltd.; J. W. Ellingham, Ltd.; Demolition & Constr. Co., Ltd.; Caffin & Co., Ltd.; H. Kent (Builders), Ltd.; Welding Constr. & Repairs Ltd.; M. T. Shaw & Co., Ltd.	816,106	1952	1957
Charing Cross	Ditto	Renewal of bridge decking and portions of platforms	Cleveland Bridge & Eng. Co., Ltd.	250,021	June, 1953	June, 1955
Balham	Ditto	Reconstruction of station, retaining wall	L. & W. Whitehead, Ltd.	101,875	July, 1952	1956
Victoria	Ditto	Redecking of east span at fan end of Ebury Road Bridge No. 3	Horseley Bridge & T. Piggott, Ltd.	55,000	Sept., 1954	Apr., 1955
Cannon Street Station...	B.R., Southern Region : *F. E. Campion ;* Freeman, Fox & Partners	Underpinning, platform alterations and roof reconstruction	—	700,000	1954	1956
Twickenham	B.R., Southern Region ...	Reconstruction of station	W. H. Gaze & Sons, Ltd.; Caffin & Co., Ltd.; Constable Hart & Co., Ltd.	270,868	1953	1955
Tondu Engine Shed ...	B.R., Western Region : *M. G. R. Smith*	Renewal of roofing	Fairfield Shipbuilding & Eng. Co., Ltd.	57,650	Jan., 1952	Dec., 1954
Portishead	Ditto	Reconstruction of station	J. Morgan (Builders), Ltd.; C. Brand & Son, Ltd.	187,925	Apr., 1953	Mar., 1954
Southall Locomotive Depot	Ditto	Earthworks, drainage and buildings	Caffin & Co., Ltd.	301,500	Nov., 1949	Feb., 1954
Cardiff (Canton) Motive Power Depot	Ditto	Renewal of roofing...	Bristol Stone & Concrete Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.; W. H. Streeter Ltd.	77,650	Jan., 1953	Apr., 1955
Fishguard harbour ...	Ditto	Improved cranage facilities : supply and erection of steelwork	Fairfield Shipbuilding and Eng. Co., Ltd.	79,500	Dec., 1953	Apr., 1955
London G.P.O. Railway	Sir William Halcrow & Partners	New western district office with underground station	Not yet let	700,000	1955	1958
King's Cross Station ...	London Transport : *C. E. Dunton ;* Sir William Halcrow & Partners	Construction of a cross-over tunnel	A. Waddington & Son, Ltd. ...	80,000	Apr., 1954	Mar., 1955
Various Stations	Ditto	Alterations to tunnels	J. Mowlem & Co., Ltd.	88,000	June, 1954	Dec., 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Tottenham Court Road Station	London Transport : *C. E. Dunton ;* Mott, Hay & Anderson	Alterations to tunnels	Kinnear Moodie & Co., Ltd. ...	50,000	Nov., 1954	May, 1955
Liverpool Street and Moorgate Stations	Ditto	Alterations to tunnels	Mitchell Bros. Sons & Co., Ltd.	55,000	Jan., 1954	Feb., 1955
Kennington Station ...	Ditto	Alterations to tunnels	Ditto	90,000	July, 1954	May, 1955
Green Park and Russell Square Stations	Ditto	Alterations to tunnels	Not yet let	60,000	Dec., 1954	Aug., 1955
National Coal Board ...	Maunsell, Posford & Pavry	Construction of railway between Lynemouth and Woodhorn collieries	Holloway Bros. (London), Ltd....	600,000	1954	—
ABROAD						
Govt. of the Union of Burma	Rendel, Palmer & Tritton...	Various steel bridges	—	—	—	—
Gold Coast Govt.... ...	Ditto	Construction of Achaisi-Kotoku railway	Taylor-Woodrow (West Africa), Ltd.	2,000,000	1953	1955
		RIVERS AND WATERWAYS				
HOME						
LynmouthReconstruction	Devon River Board ; *R. B. Carnegie*	New channels and river training works at Lynmouth	Direct labour	150,000	1953	1954
Wallers Haven	East Sussex River Board ; *C. H. H. Mercer*	Channel improvement and ancillary sluices ...	Ditto	121,000	1949	1959
Barking	Essex River Board ; *E. L. Snell*	Improvement of Mayes Brook, Ripple Road to Kingsbridge Sluice	W. & C. French, Ltd.	50,000	1954	1955
Seven Holes, Earith ...	Great Ouse River Board ; *W. E. Doran*	Reconstruction of sluice ; construction of prestressed concrete road bridge and approach roads	Ditto	54,000	1954	1955
River Lee Improvement	Lee Conservancy Catchment Board ; *N. Medrington*	2140ft of flood channel, outfall basin to River Lee, &c.	Concrete Piling, Ltd.	180,000	July, 1951	July, 1954
		2105ft of flood channel, accommodation bridge, &c.	G. Wimpey & Co., Ltd.	112,000	Jan., 1953	Aug., 1945
		2400ft of flood channel	Ormac Constr. Co., Ltd.	66,000	Dec., 1953	1954
		R.C. road bridge, two 55ft spans, river walls, &c., at Carpenters Road	W. & C. French, Ltd.	67,000	Sept., 1954	1955
		1020ft of concrete flood channel, prestressed concrete road bridge, 62ft span, &c.	Ditto	75,000	Oct., 1954	1955
North Alford	Lincolnshire River Board ; *F. H. Tomes*	River and drain improvement works and construction of two pumping stations	W. G. C. Hammond, Ltd.; Lehane McKenzie & Shand, Ltd.; direct labour	121,842	1952	1956
River Great Ouse Flood Protection Scheme	Sir M. MacDonald & Partners	Relief channel, 10¾ miles, earthworks, regulators, bridges, &c.	Sir R. McAlpine & Sons, Ltd. ...	2,920,000	May, 1954	Nov., 1958
		Cut-off channel, earthworks, regulators, bridges, &c.	Not yet let	3,500,000	1957	—
		Magdalen Railway Bridge	Ditto	80,000	1955	—
North Thames Gas Board	Rendel, Palmer & Tritton ...	River wall reconstruction	Holloway Bros. (London), Ltd....	519,000	Sept., 1954	Sept., 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RIVERS AND WATERWAYS (*continued*)		£		
HOME						
Lower Avon Improvement Scheme	Severn River Board ; *L. A. Rhodes*	Channel improvement and installation of sluice gate	Direct labour	82,000	Aug., 1952	1958
British Oil & Cake Mills, Ltd.	Frederick S. Snow & Partners ; Unilever, Ltd.	Reinstatement of jetty intake towers and connecting buildings on Thames	Christiani & Nielson, Ltd.	65,000	1953	1955
River Loughor & Amman Improvement	South-West Wales River Board ; *C. C. Evans*	Channel improvement, bank protection and bridge reinstatement works	Direct labour	101,000	Spr'g, 1954	1959
Nottingham Flood Protection Scheme	Trent River Board ; *Marshall Nixon*	Civil engineering works at Holme Sluices	Sir R. McAlpine & Sons (Midlands), Ltd.	150,000	Apr., 1953	May, 1954
		New river channel, river widening, flood banks, &c.	Tarslag, Ltd.	300,000	Mar., 1954	Mar., 1956
River Welland Major Improvement Scheme	Welland River Board ; *E. G. Taverner ;* Stirling, Lambert & Partners	Flood alleviation channel by-passing Spalding, 2 miles long, including seven road bridges, sluice gates, and a railway bridge	G. Wimpey & Co., Ltd.; Ransomes & Rapier, Ltd.; W. & C. French, Ltd.; Eager Constr. Co., Ltd.	Complete scheme 1,500,000	1947	1957
		River widening and training works ; excavation and flood banks ; 1600 yards steel sheet piling ; two bridges ; two r.c. bridges on Maxey cut	Direct labour ; G. Wimpey & Co., Ltd.; Butterley Co., Ltd.; W. & C. French, Ltd.; Dowsett Eng. Constr., Ltd.			
		Maxey cut and bridges	W. & C. French, Ltd.; D. Crouch, Ltd.			
		Greatford cut and bridges	Not yet let			
HOME						
TRUNK ROADS (MINISTRY OF TRANSPORT AND CIVIL AVIATION)		**ROADS**				
Nevilles Cross Diversion A.1	Durham C.C.	Construction of diversion, including a bridge over railway and demolition of old bridge	Dorman Long & Co., Ltd. ...	145,483	June, 1951	1955
Neath By-pass A.48 ...	Rendel, Palmer & Tritton	By-pass, Britton Ferry to Earlswood, including bridge and viaduct at River Neath crossing	Cleveland Bridge & Eng. Co., Ltd.	2,107,642	Feb., 1949	1955
Tunnel Bridge, Hook A.30	Hants C.C.; J. S. Wilson and John Mason	Reconstruction, including widening of bridge over Southern Region Railway	Caffin & Co., Ltd.	151,295	July, 1953	—
Gt. Cambridge Road A.10	Middlesex C.C.	Provision of second carriageway between North Circular Road and Bury Street	Fitzpatrick & Son (Contrs.), Ltd.	100,720	Dec., 1954	—
Loughton By-pass A.5 ...	Bucks C.C.	Construction of new road to by-pass Loughton Village, including a bridge over Shenley Church End Road	W. A. Dawson, Ltd.	93,068	Aug., 1954	Dec., 1955
Dual Carriageways, Stafford-Stoke Road A.34	Staffs C.C.	Provision of second carriageway, Wood Farm to Crown Inn, Aston ; Mearsdale Cottages to South of Tettenson ; Strongford Bridge to Trentham Gardens	G. Wimpey & Co.	176,281	July, 1954	Dec., 1955
Conway Bridge A.55 ...	H. W. Fitzsimons	Construction of steel spandrel-braced arch bridge at Conway	Not yet let	480,000	1955	—
Cavendish Bridge A.6 ...	Leicestershire C.C.; L. G. Mouchel & Partners, Ltd.	Construction of permanent bridge over River Trent	Ditto	291,442	1955	—
Birkenhead Corpn. ...	A. P. I. Cotterell & Son ...	Roads, sewers and footpaths	J. McGeoch & Sons, Ltd.; Sir A. McAlpine, Ltd.	465,000	Aug., 1950	—
Mitcham, Sutton and Cheam Boroughs ; Merton and Morden U.D.C.	Ditto	Roads, sewers, surface water drainage, footpaths and street lighting	G. S. Faulkner & Sons, Ltd. ...	135,000	Nov., 1952	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		ROADS (*continued*)		£		
HOME						
Billingham U.D.C. ...	Eric G. Lediard	Three-span dual carriageway bridge over railway	Harbour & General Works, Ltd.	87,000	Apr., 1953	Nov., 1954
Cromwell Road Extension, Stage I, Hammersmith	London County Council; *J. Rawlinson*	Construction of dual carriageway road from Hammersmith Bridge Road to the county boundary	Not yet let	364,000	1955	1956
Radnorshire C.C.	Maunsell, Posford & Pavry	Construction of new bridge over the River Wye at Hay	Ditto	53,000	1955	—
Runcorn-Widnes	Mott, Hay & Anderson ...	Construction of steel arch bridge across the River Mersey and Manchester Ship Canal	Ditto	1,680,000	1955	1958
Southwark Bridge, London	Ditto	Reconstruction of northern approach to bridge...	W. & C. French, Ltd.	81,000	1954	1955
Southampton B.C. ...	Rendel, Palmer & Tritton...	Prestressed r.c. bridge of five spans over the River Itchen	Christiani & Nielsen, Ltd.... ...	400,000	Apr., 1952	Aug., 1954
Stevenage Development Corpn.	Ditto	One 80ft, two 30ft spans, portal framed prestressed concrete bridge across main railway line	J. Miller & Partners, Ltd.	—	June, 1952	—
ABROAD						
Municipality of Ndola, Northern Rhodesia	Brian Colquhoun & Partners	New approach road and bridge	Not yet let	70,000	—	—
Cross River Bridge, Nigeria	Coode & Partners	Construction of 350ft suspension bridge and piers	Dorman, Long & Co., Ltd. ...	314,000	Oct., 1952	Sept., 1955
South Gate Bridge, Baghdad	Ditto	Bridge 1487ft long with eight piers, abutments and approaches	Siemens Bauunion	1,272,513	July, 1953	Mar., 1956
Adhamiyah Bridge, Baghdad	Ditto	Bridge 1037ft long with six piers, abutments and approaches	Ditto	1,257,329	July, 1953	Feb., 1956
Taq Taq Bridge, Iraq ...	Ditto	Bridge 1050ft long in reinforced concrete with six piers on caissons and abutments	Beton und Monierbau...	570,000	Oct., 1954	1956
Auckland Harbour Bridge, N.Z.	Freeman, Fox & Partners ...	Steel bridge over harbour with 800ft cantilever navigation span, total length 3500ft	Dorman Long (Bridge & Eng.), Ltd.; Cleveland Bridge & Eng. Co.	3,465,000	Dec., 1954	Aug., 1958
Govt. of Tanganyika ...	Sir Alexander Gibb & Partners	Construction of three major trunk roads, including bridges and ancillary works	Stirling-Astaldi (East Africa); Societe Dumez	3,200,000	Oct., 1949	—
Volta River Project: Govt. of Gold Coast	Sir William Halcrow & Partners; Freeman, Fox & Partners	Construction of 805ft span steel arch road bridge and approach roads	Dorman, Long (Bridge & Eng.), Ltd.	750,000	Dec., 1954	Feb., 1956
Ceylon Government ...	Husband & Co.	Lower Badulla road and bridges	Part direct labour	1,500,000	1953	—
Govt. of Iraq	Maunsell, Posford & Pavry	Construction of bridge over the Euphrates at Hindiya	Dorman Long (Bridge & Eng.), Ltd.	300,000	1954	—
		Construction of bridge over the Euphrates at Samawa	Not yet let	300,000	1955	—
Gold Coast Govt. ...	Rendel, Palmer & Tritton ...	Weija-Winneba road: trunk road with r.c. bridges	Astaldi (Africa), Ltd.	—	1952	1954
		Winneba-Mankesim road: Pwalagu and Nasia: two steel bridges	Constructions Coignet Togo; Stirling-Astaldi (West Africa), Ltd.	500,000 320,000	1954 1954	1955 1956
		Kade: steel bridge	Constructions Coignet Togo ...	56,000	1954	1955
		Aniben: steel bridge	Not yet let	—	—	—
Govt. of Sierra Leone ...	Ditto	Construction of ten road bridges to replace ferries on trunk routes	Pauling & Co., Ltd.	600,000	1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		ROADS (*continued*)		£		
ABROAD						
Nyasaland Govt.	Scott & Wilson, Kirkpatrick & Partners, Blantyre, Nyasaland	Lilongwe-Salima road, 70 miles	G. Wimpey & Co.	415,000	Sept., 1954	1956
		Mlanje-P.E.A.B. road, 17 miles	J. Laing & Son (Rhodesia), Ltd.	115,000	June, 1954	1955
Govt. of Iraq Development Board	Sir Bruce White, Wolfe-Barry & Partners	Amara highway bridge over Tigris, 12,000 ft. long with approaches, 30 ft. carriageway and 2ft. 10in. wide walks	Not yet let	470,000	1955	1957
HOME		**STEELWORKS** (*Contracts valued below £100,000 not included*)				
Stewarts & Lloyds ...	W. S. Atkins & Partners ...	Reconstruction of melting shop, Bilston	Dorman Long & Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.	140,000	1952	1954
Steel Co. of Wales, Ltd., Abbey Works, Stage II	Ditto	Heavy civil engineering, structural steelwork, heating and ventilation in extensions to melting shop, hot strip mill and cold mill	Sir R. McAlpine & Sons, Ltd.; Dorman Long & Co.	4,000,000	1953	—
Steel Co. of Wales, Ltd., Velindre	Ditto	Heavy civil engineering, structural steelwork, buildings, services, heating and ventilation, new cold reduction plant	R. M. Douglas, Ltd.	4,200,000	1953	—
Colvilles, Ltd.	Crouch & Hogg	Ravenscraig project : melting shop foundations...	Not yet let	200,000	1955	1955
Guest Keen Iron & Steel Co., Ltd.	The International Construction Co., Ltd.	Ore handling system comprising conveyors, change stations, boom stackers, crushing and screening plant	Moxey Conveyor & Transporter Co., Ltd.	1,241,000	1954	1956
		Foundations for ore handling equipment, ground hoppers, ore storage bunkers	Sir R. McAlpine & Sons (South Wales), Ltd.	262,000	1954	1955
Richard Thomas and Baldwins, Ltd.	L. G. Mouchel & Partners, Ltd.	Cold reduction mill, extensions, including heavy piling and foundations to new mill	Direct labour	—	1953	—
HOME		**STRUCTURAL AND INDUSTRIAL** (*Contracts valued below £100,000 not included*)				
Chesterfield Technical College	C. S. Allott & Son ; Derbyshire C.C.	Foundations and structural steelwork...	Ford & Weston, Ltd.; J. Booth & Sons (Bolton), Ltd.; Cementation Co., Ltd.	185,000	Aug., 1952	—
English Sewing Cotton Co., Ltd.	C. S. Allott & Son	Factory extensions	W. Thorpe & Son, Ltd.; D. Walton & Co., Ltd.	145,000	1952	1954
T. Crompton & Sons, Ltd.	Ditto	New factory at Haydock	Not yet let	160,000	1954	1955
Courtaulds Ltd. (Chemicals Division)	Ditto	Foundations and building work for chemical plant	Melville Dundas & Whitson, Ltd.; G. & W. Smith (Bldrs.), Ltd.; Smith & Briggs, Ltd.; Redpath Brown & Co., Ltd.	125,000	1951	—
Manchester University Arts Library	Thomas Worthington & Sons ; C. S. Allott & Son	Foundations, structural and building work ...	G. & W. Smith (Builders), Ltd.; E. Wood & Co., Ltd.	300,000	1954	1955
Anglo-Iranian Oil Co., Ltd. ; Scottish Oils, Ltd.	Anglo-Iranian Oil Co., Ltd.	Additional pumping capacity, Finnart/Grangemouth pipeline	G. Wimpey & Co., Ltd.; Whatlings, Ltd.	125,000	July, 1953	Jan., 1954
B.S.A. Co., Ltd.	W. S. Atkins & Partners ...	Multi-storey factory at Birmingham, in pre-stressed concrete	C. Bryant & Sons, Ltd.	350,000	1953	—
A.P.V. Co., Ltd., Crawley	Ditto	Extensions to steel-framed factory including mechanical services, heating and ventilation	J. Longley & Co., Ltd.; South Durham Iron & Steel Co., Ltd.	400,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Styrene Products, Ltd....	W. S. Atkins & Partners ...	Extensions to existing premises and further site development ; plant, layout and co-ordination	Moston Brick & Building Co., Ltd.	190,000	1954	1955
Imperial Chemical Industries, Ltd.	Babtie, Shaw & Morton ...	Industrial development, Staffordshire	Sir R. McAlpine (Midlands), Ltd.	130,000	Sept., 1953	Sept., 1954
Anglo-Iranian Oil Co., Ltd.	E. B. Badger & Sons, Ltd. (manag'g agents); Ewbank & Partners, Ltd.; M. W. Kellogg Co., Ltd.; Lummus Co., Ltd.	New Oil Refinery, Isle of Grain, Kent	E. B. Badger & Sons, Ltd.; Sir R. McAlpine & Sons, Ltd.; Kellogg Int. Corpn.; Costain John Brown, Ltd.; G. Wimpey & Co., Ltd.; Motherwell Bridge & Eng. Co., Ltd. Mathew Hall & Co., Ltd.; Lummus Co., Ltd.	40,000,000	July, 1950	July, 1954
South Eastern Regional Hospital Board	Blyth & Blyth	R.C. hospital extension	W. & J. R. Watson, Ltd.	250,000	1952	1955
		Ditto	Not yet let	300,000	1954	1957
Kirkcaldy T.C.	Ditto	Town hall...	Thaw & Campbell, Ltd.; A. Fraser, Ltd.	110,000	1950	1955
National Coal Board ...	Ditto	Reconstruction of surface layout at colliery... ...	Not yet let	180,000	1954	—
Tullis Russell & Co., Ltd.	Ditto	New machine house	Ditto	200,000	1954	1956
The North British Distillery Co., Ltd.	Ditto	Duty free warehouse	Mowlem (Scotland), Ltd.; J. Turner & Co., Ltd.	150,000	1954	1955
Essex C.C.	T. F. Burns & Partners ...	Technical school at Dagenham	T. Bates & Son, Ltd.	190,000	Dec., 1953	Dec., 1955
Newcastle City Council	Ditto	College of Technology. Stage 3	Not yet let	327,000	—	—
North Thames Gas Board	Brian Colquhoun and Partners	Tar and ammonia products works, Beckton : boiler house ; water treatment house and plant; power and service distribution system ; extension to sulphate of ammonia plant ; roads, railways, and storm and effluent sewers	Sir R. McAlpine & Sons, Ltd.; Sir L. Parkinson & Co., Ltd.	1,040,000	1950	1955
Davidson Development Co., Ltd.	Ditto	R.C. foundations and framing to eight-storey office block, London, E.C.4	Sir R. McAlpine & Sons, Ltd....	100,000	Sept., 1954	1955
Scott's Shipbuilding & Eng. Co., Ltd.	Crouch & Hogg	New welding shed and e.o.t. cranes	Glasgow Steel Roofing Co., Ltd. ; Sir W. Arrol & Co., Ltd.; and others	124,000	1952	1954
British Geon, Ltd.... ...	C. H. Dobbie	Factory extension	G. Wimpey & Co., Ltd.	350,000	1954	—
Distrene, Ltd.	Ditto	Factory extension	Ditto	130,000	1954	—
City of Hull	John Dossor...	Central police station : foundations	Not yet let	250,000	1954	—
Spillers, Ltd.	Oscar Faber & Partners ...	Civil engineering work in foundations and structure for flour mill and silos at Hull	A. B. Holmes, Ltd.; P. Lind & Co., Ltd.; Franki Piling Co., Ltd.; Quibell & Co., Ltd.	600,000	—	1954
Corpn. of Lloyds	Ditto	Foundations and civil engineering work for new building in London	J. Mowlem & Co., Ltd.	400,000	—	1956
Royal College of Surgeons	Ditto	Foundations and civil engineering work for new building in London	Humphrys & Co., Ltd.	200,000	—	1954
British Celanese, Ltd. ...	Ditto	Foundations and civil engineering work for new factory at Wrexham	Higgs & Hill, Ltd.	1,000,000	—	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Associated Portland Cement Manufacturers Ltd.	Oscar Faber & Partners ...	Extension at Widnes, Lancs	Sir A. McAlpine & Son, Ltd. ...	100,000	1953	—
		New depot at Hurlingham Wharf, London ...	J. Mowlem & Co., Ltd.	137,000	1953	—
		Extension of works at Magheramorne, N. Ireland	Farrans, Ltd.; McLaughlin & Harvey, Ltd.	120,000	Nov., 1952	—
Associated Portland Cement Manufacturers, Ltd.	Sandford Fawcett & Partners	Extensions to Magheramorne Works	Farrans, Ltd.	110,000	1952	1954
Bucks C.C., High Wycombe	R. F. Galbraith	High school: foundations, retaining walls, welded structural frame, concrete floors, &c.	Gee, Walker & Slater, Ltd. ...	205,000	May, 1954	1955
West Riding C.C.: Crigglestone	Ditto	Secondary modern school: foundations in mining area, precast concrete framework	J. Miller & Partners	100,000	May, 1954	1955
Metropolitan Police: Penge	Ditto	Eight-storey block of flats: foundations and reinforced concrete frame	Tersons, Ltd.	145,000	Nov., 1954	1956
Ministry of Works Merthyr Tydfil	Ditto	Telephone exchange: foundations and reinforced concrete framework	Not yet let	100,000	1955	—
W. & T. Avery, Ltd. ...	Sir Alexander Gibb & Partners; S. N. Cooke & Partners	Construction of new foundry on Walsall Factory Estate	Sir A. McAlpine & Son, Ltd. ...	750,000	Apr., 1951	Nov., 1954
The English Electric Co., Ltd.	Sir Alexander Gibb & Partners	Site development, civil engineering and building works for new factory at Netherton	W. Moss & Sons; Tees Side Bridge & Eng. Works, Ltd.	2,750,000	Sept., 1951	—
National Coal Board, W. Midlands Division	Ditto	Foundations, buildings and ancillary works for new colliery at Lea Hall	Sir A. McAlpine & Son; Holst & Co.; part not yet let	2,300,000	Feb., 1953	—
Midland Rollmakers, Ltd.	Ditto	Extension of machine shop at Crewe	Gee, Walker & Slater, Ltd. ...	270,000	Mar., 1954	—
North-Western Industrial Estates, Ltd.	Ditto	Factory for Sunnyside Stitching & Knitting, Ltd., at St. Helens, Lancs	W. Moss & Sons, Ltd.	112,000	July, 1954	—
C. & J. Clark, Ltd. ...	Ditto	New warehouse at Street, Somerset	C. P. Unwin & Co., Ltd.	200,000	Jan., 1954	Nov., 1954
Eastwoods Cement, Ltd., South Ferriby	John H. Haiste & Partners...	New foundations, underpinning, strengthening stanchions and replacement of crane beams	H. O. Andrews, Ltd.	130,000	Jan., 1954	1955
Stocksbridge U.D.C. ...	Husband & Co.	Development of Stubbin Farm Estate...	R. C. Brindley & Co....	135,000	May, 1953	May, 1955
Wortley R.D.C.	Ditto	Development of Lane End Estate	Ditto	137,000	Apr., 1954	Sept., 1955
Manchester University and D.S.I.R.	Ditto	Radio telescope	United Steel Structural Co., Ltd.; W. J. Whittall & Sons, Ltd.	400,000	1952	—
National Coal Board ...	Ditto	Central coal preparation plant, Manvers Main, Yorks	Colliery Eng. Co., Ltd.; J. L. Kier & Co., Ltd.	1,000,000	1952	1954
		Coal preparation plant, New Stubbin Colliery, Yorks	Norwest Constr. Co., Ltd.... ...	300,000	1953	1954
National Glass Works (York), Ltd.	Ditto	Factory extensions	F. Shepherd & Sons, Ltd.... ...	250,000	1950	1954
		New warehouse	Not yet let	160,000	—	—
Production Engineering Research Association	Ditto	New research laboratories and offices at Melton Mowbray, Leics	W. J. Whittall & Sons, Ltd. ...	200,000	Dec., 1954	—
British Belting and Asbestos, Ltd., Cleckheaton, Yorks	Ditto	New research laboratories and offices, Cleckheaton, Yorks	J. Radcliffe & Sons, Ltd.	122,000	July, 1954	Dec., 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Hoffman, Glos	C. MacKechnie Jarvis & Partners ; Underwood & Mander	New factory at Stonehouse, Glos...	W. E. Chivers & Sons, Ltd. ...	170,000	1954	1955
Anglo-Iranian Oil Co., Ltd.: Scottish Oils, Ltd.	M. W. Kellogg Co., Ltd.; Kellogg Int. Corpn.; Foster Wheeler, Ltd.; Power Gas Corpn.	Grangemouth refinery extension	Kellogg Int. Corpn.; Costain John Brown, Ltd.; Foster Wheeler, Ltd.; Power Gas Corpn., Ltd.	815,000	Aug., 1952	July, 1954
The Associated Ethyl Co., Ltd.	Maunsell Posford & Pavry ; Sir Alexander Gibb & Partners	New factory at Ellesmere Port, Cheshire	G. Wimpey & Co., Ltd.	6,300,000	1951	1955
Vacuum Oil Co., Ltd. ...	Ditto	Bulk storage and distribution terminals	Purdie Lumsden & Co., Ltd., and others	230,000	1952	—
Doulton & Co., Ltd. ...	Maunsell Posford & Pavry...	Extensions to factory at Tamworth	J. R. Deacon, Ltd., and others...	100,000	1951	1954
National Coal Board ...	Ditto	Construction of a central engineering establishment at Bretby	G. Wimpey & Co., Ltd.	600,000	1954	—
		Reconstruction of the Rising Sun Colliery... ...	Not yet let	500,000	1955	—
St. Mary's Secondary School	John C. Maxwell-Cook ...	Piled and raft foundations : composite beams, r.c. and precast floors and roof	Thorogood & Sons, Ltd.	100,000	1954	1955
Richard Gwyn School ...	Ditto	Precast and prestressed composite r.c. structure...	A. N. Coles & Co., Ltd.	135,000	1952	1954
The Cork Silo Company	L. G. Mouchel & Partners, Ltd.	5500-ton grain silo, Avoncore Mill, Midleton, Co. Cork	Irish Eng. & Harbour Constr. Co., Ltd.; P. J. Hegarty & Sons, Ltd.; Peirson & Co., Ltd	112,000	1954	—
London & Thames Haven Oil Wharves, Ltd.	Ditto	Civil works contract for new tankage at Thames Haven, Stanford-le-Hope, Essex	J. Laing & Sons, Ltd.	240,000	1954	—
Joseph Rank, Ltd. ...	Ditto	Mill building, garages, offices and grain silo, Leith	Holloway Bros. (London), Ltd....	1,061,000	Sept., 1950	1954
Bristol University	Ditto	School of Engineering extensions	W. Cowlin & Son, Ltd.	—	—	—
Bolands, Ltd.	Ditto	7000-ton r.c. grain silo, Dublin	Irish Eng. & Harbour Constr. Co., Ltd.	120,000	Dec., 1953	1954
J. Rank (Ireland), Ltd....	Ditto	15,000-ton r.c. grain silo, Limerick	Collen Bros. (Dublin), Ltd. ...	140,000	Dec., 1953	1954
Spillers, Ltd.	Ditto	Reconstruction of Millennium Mill, Victoria Dock, London	Holloway Bros. (London), Ltd....	750,000	1951	1955
Tate & Lyle, Ltd.	Ditto	R.C. cladding of recovery house	M. J. Gleeson (Contrs.), Ltd. ...	160,000	Oct., 1953	1955
Receiver for the Metropolitan Police District	M. Nachshen	R.C. frame and foundations for married quarters, Hampstead	Speirs, Ltd.	100,000	Sept., 1954	1955
		R.C. frame and foundations for married quarters, Westminster	R. Hart & Sons, Ltd....	160,000	Nov., 1954	1956
Shell Refining & Marketing Co., Ltd.	Ditto	Laboratory, Egham	Trollope & Colls, Ltd....	130,000	Oct., 1954	1955
United Synagogue... ...	Ditto	Structure and foundations for Synagogue, Edgware	W. Old, Ltd.	115,000	Aug., 1954	1955
Anglo-Iranian Oil Co., Ltd.	Procon, Ltd.; E. B. Badger & Sons, Ltd.	Platformer unit, Isle of Grain, Kent	G. Wimpey & Co., Ltd.	780,000	1954	1955
National Oil Refineries, Ltd.	Ditto	Platformer unit, Llandarcy, Wales	D. & C. & W. Press, Ltd.... ...	750,000	1954	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Ministry of Commerce (Ireland)	Ernest Reid	Factory at Carnmoney	—	200,000	1954	1955
National Coal Board, Gwendraeth Valley Dev.	Rendel, Palmer & Tritton...	Cynheidre project : general surface layout and works, shaft linings and insets	D. I. Williams, Ltd.; Tarmac Ltd., and others	250,000 plus	1953	1958
War Dept.	Rendel, Palmer & Tritton ; War Dept.	Workshops and offices	Gilbert Ash, Ltd.	111,000	Dec., 1953	Dec., 1954
Berkshire C.C.	Felix J. Samuely	Technical college at Langley	—	150,000	1954	—
Warwickshire C.C. ...	Ditto	Grammar school at Coleshill	—	100,000	1954	—
National Dock Labour Board	Ditto	R.C. office block, Albert Embankment	—	150,000	1954	—
Silentbloc, Ltd.	Ditto	Factory at Crawley ; r.c. foundations with structural steel frame	F. G. Minter, Ltd.	200,000	1953	1954
L.C.C.	Ditto	R.C. flats at Hackney	—	500,000	1954	—
Salters Co.	Ditto	R.C. office block in City of London	—	500,000	1954	—
L.C.C.	Ditto	Comprehensive high school, Chiswick...	Gleeson, Ltd. (foundations) ...	600,000	1953	1955
		Comprehensive high school, Woodberry Down...	Kirk & Kirk, Ltd.	500,000	1950	1954
British Nylon Spinners, Pontypool	Scott & Wilson, Kirkpatrick & Partners	Second office block and other buildings at Pontypool	Sir R. McAlpine & Sons (South Wales), Ltd.	260,000	1954	1955
British Nylon Spinners, Doncaster	Ditto	Reconstruction of existing factory at Doncaster	Sir R. McAlpine & Sons (Midlands), Ltd.	500,000	Mar., 1954	Mar., 1955
Westminster C.C.	Ditto	Pimlico Housing Estate : stage 2	M. J. Gleeson (Contrs.), Ltd. ...	1,098,000	Jan., 1952	1955
Owen Owen, Ltd.	Ditto	R.C. structure and foundations of department store, Broadgate, Coventry	Bovis, Ltd.	650,000	Jan., 1951	Sept., 1954
Kent C.C.	Ditto	Chislehurst and Sidcup county grammar school for boys	Kent & Sussex Contrs., Ltd. ...	182,000	Dec., 1951	1954
		Broadstairs secondary school...	W. W. Martin (Thanet), Ltd. ...	100,000	Apr., 1953	June, 1955
Kingston-upon-Hull ...	Ditto	Technical college workshop block, Phase I	W. Moss & Son, Ltd.	323,000	June, 1953	June, 1955
Liverpool Corn Exchange	Ditto	Rebuilding Corn Exchange	Tysons (Contrs.), Ltd....	308,000	Jan., 1953	1955
Northern Outfall Power House—L.C.C.	Ditto	Superstructure for power station	Not yet let	—	Aug., 1955	Feb., 1957
Kent C.C.	Ditto	Southborough school	W. F. Blay, Ltd.	94,000	Dec., 1953	Dec., 1955
Worcestershire C.C. ...	Ditto	College of further education, Stourbridge, Phase I	A. H. Guest, Ltd....	133,000	1954	1956
John Mackintosh & Sons Ltd.	Frederick S. Snow & Partners	New factory, Norwich ; raft and piled foundation, steel and concrete framed buildings	J. Young & Sons, Ltd.	965,000	1947	1956
University of Cambridge Building Syndicate	Ditto	New school of veterinary medicine	W. Sindall	250,000	1950	1954
Thames Board Mills ...	Ditto	Extension to board mills, Warrington ; piled foundation and steel frame	A. E. Symes, Ltd....	1,200,000	1950	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Thames Board Mills ...	Frederick S. Snow & Partners	Converting factory at Warrington : piled foundation, prestressed concrete floor beams and steel frame	A. E. Symes, Ltd.	700,000	1954	1956
Hastings B.C.	Ditto	New factory for L.P.S. (Electrical), Ltd.; r.c. and steel-framed buildings	Llewellyn (Hastings), Ltd.	200,000	1953	1955
Clifton Catholic Diocesan Trustees	Ditto	New secondary school : r.c. framed building ...	J. Knox (Bristol), Ltd. Costain Concrete Co., Ltd.	140,000	1953	1954
Daily News, Ltd.	Ditto	Office : deep basement heavy foundations and steel-framed building	Trollope & Colls, Ltd.	200,000	1950	1954
Unilever, Ltd.	Ditto	Storage depot for S.P.D., Ltd., Renfrew ; r.c. foundations, steel-framed building, roads and railway sidings	Melville Dundas & Whitson, Ltd.	180,000	1954	1955
		Storage depot for S.P.D., Ltd., Chelmsford : r.c. foundations, steel-framed building, road and site works	W. & C. French	252,000	1954	1955
Whitefields, Ltd.	Ditto	Extensions and reconstruction to sweet factory : r.c. framed building	A. E. Symes, Ltd....	110,000	1953	1956
W. S. Shuttleworths, Ltd.	Ditto	Extensions and reconstruction to sweet factory : r.c. frame	Not yet let	100,000	1954	1955
National Oil Refineries, Ltd.	Spearing & Partners	Extensions to Llandarcy boiler house : one new boiler	Spearing & Partners	300,000	Oct., 1954	Dec., 1955
ABROAD						
Anglo-Iranian Oil Co., Ltd.	Bechtel Int. Corpn.	New oil refinery, 5,000,000 t.p.a., at Aden	Middle East, Bechtel Corpn.; G. Wimpey, Ltd.	—	Nov., 1952	Nov., 1954
Municipality of Kitwe, Northern Rhodesia	Brian Colquhoun & Partners	Roads, sewers, water supply, &c., for industrial sites	Not yet let	150,000	—	—
Govt. of Northern Rhodesia	Ditto	Building construction and services for hospital at Kitwe	Ditto	400,000	—	—
		R.C. and steel-framed European secondary school at Kabulonga	J. Howard (Africa), Ltd.; R. Costain, Ltd.; Daco Structures, Ltd.	150,000	—	—
Govt. of Southern Rhodesia	Ditto	Hospital buildings at Salisbury	Smith van Reenen, Ltd.	350,000	Jan., 1952	—
		Buildings for native hospital, Salisbury and Bulawayo	Fenty & Gordon, Ltd.	200,000	Apr., 1950	—
Municipality of Salisbury Southern Rhodesia	Ditto	R.C. framed multi-storey blocks of flats	N. Jamieson, Ltd.	200,000	Oct., 1950	—
Municipality of Vereeniging, Transvaal	Ditto	Abattoir and ancillary buildings	Not yet let	200,000	1955	—
H.H. The Ruler of Kuwait	Ewbank & Partners, Ltd. ...	Main workshops at Shuwaikh, Kuwait Town ...	Gulf Engineering Co., Ltd.... ...	232,000	Sept., 1953	Nov., 1954
University College of the Gold Coast	Oscar Faber & Partners ...	R.C. structure for new university building... ...	G. Wimpey & Co., Ltd.; G. Watson & Co., Ltd.	5,000,000	—	1956
Anglo-Iranian Oil Co., Ltd.	M. W. Kellogg Co., Ltd.; Kellogg Int. Corpn.	New oil refinery, 3,000,000 t.p.a., Kwinana, W. Australia	Kellogg Int. Corpn.; Costain John Brown ; D. C. & Wm. Press ; Kinnear Moodie, Ltd.	27,000,000	Nov., 1952	Feb., 1955
Govt. of Iraq	Maunsell, Posford & Pavry ; Sir Alexander Gibb & Partners	New oil refinery at Baghdad	D. C. & William Press, Ltd. ...	1,500,000	1952	—
Ste. Madeleine Sugar Co.	M. Nachshen	Bulk sugar store, Trinidad	J. L. Kier & Co., Ltd.	120,000	Mar., 1954	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
ABROAD						
Shell Co. of West Africa, Ltd.	M. Nachshen	R.C. office buildings at Lagos, Nigeria	Borini-Prono & Co. (Nigeria), Ltd.	180,000	1953	1955
Govt. of United Provinces, Nr. Mirzapur, India	Henry Pooley	Complete cement works to produce 235,000 tons per annum, with 7·2MW power station	Eng. Constr. Corpn.	400,000	1951	1954
Shimshon Palestine Portland Cement Works, Ltd., Hartuv, Israel	Ditto	Complete cement works to produce 250,000 tons per annum, with 7·3MW power station	Solel Boneh, Ltd.	800,000	1949	1954
Chilanga Cement, Ltd., Lusaka, Northern Rhodesia	Ditto	Extension to existing cement plant	Not yet let	500,000	1954	1956
Govt. of the Union of Burma : University of Rangoon	Raglan, Squire & Partners ...	Foundations and r.c. superstructures	Taylor Woodrow Constr., Ltd. ...	1,250,000	Oct., 1954	1956
Agricultural Institute, Insein	Ditto	Foundations and superstructures	Clarke, Gregg ; part not yet let...	10,000	—	—
Polytechnic and High School, Rangoon	Ditto	Foundations and superstructures	Taylor Woodrow Constr., Ltd. ...	1,750,000	Oct., 1954	1956
Technical Institute, Insein	Ditto	Foundations and superstructures	Not yet let	250,000	—	—
Veterinary Research Institute, Insein	Ditto	Foundations and superstructures	Ditto	300,000	—	—
New Theatre, Baghdad...	Ditto	Foundations and superstructures	Ditto	100,000	—	—
War Department Cantonment, Cyprus	Scott & Wilson, Kirkpatrick & Partners ; Binnie, Deacon & Gourlay ; Wingfield Bowles & Partners	Buildings, roads, water supply, sewerage and drainage (phase I)	Sir L. Parkinson & Co., Ltd. ...	1,750,000	Nov., 1952	1954
	Scott & Wilson, Kirkpatrick & Partners; Iorys Hughes; Wingfield Bowles & Partners	Hospital, other buildings, roads, water supply, sewerage, and drainage (phase II)	Cementation Co., Ltd.	980,000	1954	—
	Scott & Wilson, Kirkpatrick & Partners ; Wingfield Bowles & Partners	Buildings, roads, water supply, sewerage and drainage (phases III and IV)	Not yet let	2,780,000	1955	—
Doha State Hospital, Govt. of Qatar	Scott & Wilson, Kirkpatrick & Partners	Steel-framed hospital and associated buildings ...	Kasim & Abdulla, Sons of Darwish ; Dorman Long & Co., Ltd.	1,000,000	Mar., 1954	—
Iraq Govt. Ministry of Defence	Sir Bruce White, Wolfe Barry & Partners	Musayib and Abu Gharaip munitions factories with ancillary power station, water supply, sewerage and accommodation	Not yet let	2,385,000	—	—
HOME		**WATER SUPPLY**				
Aberdeen Corpn. Water Department	Aberdeen Corpn. Water Department : *A. G. Booth*	2¾ m.g. service reservoir, pumping and outlet mains, and pumping plant	A. Hall & Son (Bldrs.), Ltd.; Costain Concrete Co., Ltd.; Pulsometer Eng. Co., Ltd.	195,000	1954	—
Dumbarton T.C.: Pumping Scheme from Loch Lomond	Babtie, Shaw & Morton ...	8 miles, 21in. main intake works, pumping station, filter station, storage tanks and ancillary works	Stewarts & Lloyds, Ltd.; Stanton Ironworks Co., Ltd.; J. Drysdale & Co., Ltd., Yoker ; part not yet let	400,000	1955	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Greenock T.C.	Babtie, Shaw & Morton ...	Whinhill filter station : filtration plant, filter station and storage tank	Bell Bros. (M/c, 1927), Ltd.; Whatlings, Ltd.	264,000	Nov., 1954	1956
Irvine & District Water Board	Ditto	3 miles 21in main and ancillary works...	J. Drysdale & Co., Ltd.	86,000	1953	1954
Kilmarnock T.C.	Ditto	Catchwater pipe, 1¼ miles, 30in dia., and extensions at Craigendunton reservoir	J. Miller & Ptnrs., Ltd.	95,000	1952	1954
Perth and Clackmannan C.C.: Loch Turret Scheme	Ditto	Reservoir at Loch Turret, 38 miles trunk mains, 36in to 15in and other works ; supply of pipes	Not yet let ... ... Stewarts & Lloyds ; Stanton Ironworks Co.	1,850,000	1951	—
Ross & Cromarty C.C.: Loch Glass Scheme	Ditto	Supply of pipes	Turners Asbestos Cement Co., Ltd.; Cochranes (Middlesbro') Ltd.	115,000	1951	—
		Headworks at Loch Glass, filter station, trunk mains, storage tanks, distribution piping	W. Tawse, Ltd.; part not yet let	385,000	1952	—
Sutherland C.C.: Kinlochbervie	Ditto	Rural water supply...	A. Sutherland, Ltd.	75,000	1952	1954
Moray C.C.: Romach Water Scheme	Ditto	Trunk mains, tanks and distribution piping ...	R. Baillie & Sons ; Stanton Ironworks Co.; Turners Asbestos Cement Co., Ltd.	200,000	1954	1957
Doncaster and Tickhill Joint Water Board	D. Balfour & Sons	Reservoir extensions, water tower, borehole, pumping main, &c.	Not yet let	500,000	1955	—
		Pumping station, pumping main, &c.	T. Coggon & Co., Ltd.	62,000	May, 1954	—
		Trunk main	Norwest Constr. Co., Ltd.... ...	55,000	—	—
Hertford R.D.C.	Ditto	Supply mains and water tower	F. Hickman & Co., Ltd.	83,000	June, 1953	1955
Hitchin R.D.C.	Ditto	Supply mains and water towers	E. Thompson, Ltd.	100,000	Feb., 1953	1954
Stevenage Development Corpn.	Ditto	2 m.g. reservoir extension and ½ m.g. water tower	J. Miller & Ptnrs., Ltd.	100,000	Aug., 1954	Feb., 1956
		Whitehall pumping station and pumping machinery	W. & C. French, Ltd.; W. H. Allen & Son	90,000	—	—
Batley Corpn.	Batley Corpn.: *H. P. Joyce*	Service reservoir, booster pumping station, plant, pipelines and balancing tank	J. Radcliffe & Sons, Ltd.; Harland Eng. Co., Ltd.; J. Murphy & Sons, Ltd.; J. Cook & Son, Ltd.	90,000	1951	1954
Mourne Scheme	Belfast City and District Water Commissioners	Newcastle siphon triplication section I : 3¾ miles, 39in dia. steel pipes, bitumen sheathed and lined	Farrans, Ltd.; South Durham Steel & Iron Co., Ltd.	163,000	Aug., 1953	Oct., 1954
		Section II : 4 miles 39in dia. steel pipes, bitumen sheathed and lined	Ditto	176,000	1954	1956
Ditto	Binnie, Deacon & Gourley...	Upper Silent Valley reservior : concrete gravity dam, 700ft long, 120ft high ; 1750 m.g. capacity	C. Brand & Son, Ltd.	643,000	1953	—
Whiteabbey Works ...	Ditto	6 m.g. and 1 m.g. concrete covered reservoirs : pumping station, micro-straining and chlorination plant	McLaughlin & Harvey, Ltd. ...	190,000	July, 1954	Aug., 1956
Bedford R.D.C.	Ditto	Pipelaying : 41 miles 12in–4in, pumping and booster station buildings	Roads & Sewers, Ltd.	113,000	1951	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Biggleswade Water Board: Distribution Scheme	Binnie, Deacon & Gourley...	Spun iron and asbestos cement pipes, valves, &c.	Stanton Ironworks Co., Ltd.; Turners Asbestos Cement Co., Ltd.; Glenfield & Kennedy, Ltd.	70,000	1954	—
Blyth R.D.C.: Southern and Northern Regional Water Schemes	Ditto	Asbestos cement pipes; pipelaying: 43½ miles 10in/3in dia., 87 miles 3in/14in dia.; five water towers	Turners Asbestos Cement Co., Ltd.; E. Thompson, Ltd.; W. Ames, Ltd.	402,000	1951	—
Caithness C.C.: Regional Water Scheme	Ditto	Hoy hydro-electric pumping station: spun iron pipes; pipelaying, 50 miles 4in/10in dia. and 52 miles 4in/6in. dia. spun iron; Stemster Hill r.c. reservoir: 1 m.g. capacity	Cochranes (Middesbro'), Ltd.; J. McAdam & Sons, Ltd.; S. B. Russell & Co., Ltd.; A. Sutherland, Ltd.	624,000	1950	—
Dee and Clwyd River Board: Bala Lake Scheme	Ditto	Outlet works and control sluices; new channels and five-span r.c. bridge	J. Laing & Son, Ltd.	486,000	1953	—
Daer Water Board: Daer Scheme	Ditto	Impounding reservoir: earthen dam, 135ft high, ½ mile long; capacity 5300 m.g.	Direct labour	1,727,000	1948	—
		Steel pipes	Stewarts & Lloyds, Ltd.	1,012,000	1949	—
		Water treatment plant...	United Filters & Eng., Ltd. ...	87,000	1949	—
		Pipelaying	Hugh Leggat, Ltd.; Crowley Russell & Co., Ltd.; McCracken & Co., Ltd.	607,000	1950	—
Harlow Development Corpn.	Ditto	Spun iron and steel pipes; pipelaying, 7 miles 18in dia.; three pumping stations and balancing tank	Stanton Ironworks Co., Ltd.; Stewarts & Lloyds, Ltd.; W. & C. French, Ltd.; G. Wimpey & Co., Ltd.	301,000	1952	—
Huntingdon Corpn. ...	Ditto	Pipelaying: 4½ miles 9in–5in dia. spun iron; collector ducts and pumping station; 150,000-gall. concrete reservoir and booster station	Holland & Hannen and Cubitts, Ltd.	54,000	1954	—
Luton Water Company: Friars Wash Scheme	Ditto	Mass concrete covered service reservoir, 5 m.g. capacity	A. Monk & Co., Ltd.	78,000	1954	—
Samford R.D.C.	Ditto	Raydon water treatment works: iron removal plant, pumping machinery, water tower and buildings	Candy Filter Co., Ltd.; Hayward Tyler & Co., Ltd.; J. Gerrard & Sons, Ltd.	75,000	1954	—
		Asbestos cement pipes; pipelaying: 57 miles 10in/3in	Turners Asbestos Cement Co., Ltd.; Ormac Constr. Co.	185,000	1954	—
Spilsby R.D.C.: Driby Scheme	Ditto	Pipes, valves and fittings	Turners Asbestos Cement Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.	52,000	1953	—
Swansea Corpn.: Usk Scheme	Ditto	Earthen dam, 1400ft long, 110ft high: capacity 2715 m.g.	R. Costain, Ltd.	1,100,000	1949	—
		Steel pipes, 28in–20in, and pipelaying, 30 miles	Stewarts & Lloyds, Ltd.; R. Costain, Ltd.	1,019,000	1949	—
		Treatment plant and equipment (8 m.g.d.), at Bryn Gwyn; break pressure tank at Craig Fawr	R. Costain, Ltd.; Permutit Co., Ltd.	341,000	1950	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Warrington Corpn.: Forest Farm Scheme	Binnie, Deacon & Gourley...	Borewell and borehole, pumping plant, treatment works, pumping stations and rising main	G. Stow & Co., Ltd.; Stanton Ironworks Co., Ltd.; A. Monk & Co., Ltd.; J. Jarvis & Sons, Ltd.; Pulsometer Eng. Co., Ltd.	100,000	1954	—
Hanningfield Water Joint Managing Committee: Hanningfield Scheme	Binnie, Deacon & Gourley; T. & C. Hawksley	Reservoir: earth embankment, 2300 yards long, 68ft high, and ancillary works, capacity 6000 m.g.	W. & C. French, Ltd.	2,100,000	1952	—
		Construction of aqueduct No. 4; 48in bitumen lined sheathed steel pipes, 9 miles, and other large pipelines	W. & C. French, Ltd.; Stewarts & Lloyds, Ltd.	500,000	1952	—
		Earth embankment, 600 yards long, 35ft high, road diversions and marginal embankments; 32 m.g.d. pumping station	W. & C. French, Ltd.	390,000	1953	—
		Treatment plant buildings and equipment and pumping station No. 3	W. & C. French, Ltd.; Paterson Eng. Co., Ltd.	504,000	1953	—
Birkenhead & Wallasey Corpns.	Birkenhead Corpn. Water Department; Sir Alexander Gibb & Partners	Alwen aqueduct duplication; River Dee scheme (7 m.g.d.), intake, pumping stations, filtration plant and pipelines	Candy Filters Co., Ltd.; Harland Eng. Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.; Blakeborough & Co., Ltd.	391,000	1955	1956
Birmingham Corpn. Water Department	Birmingham Corpn. Water Department; *C. A. Risbridger*	Elan Aqueduct: supply of steel pipes...	Clayton, Son & Co., Ltd.	275,000	Mar., 1954	—
		fourth main; fifth and sixth instalments; 3 miles 60in concrete lined steel pipes	Direct labour	155,000	Jan., 1953	1954
		fourth main; seventh and eighth instalments; 5½ miles 60in, concrete lined steel pipes	Ditto	327,500	Mar., 1954	1956
Ditto	Ditto	Rapid gravity filters at Frankley treatment works; second instalment	Ditto	75,000	Feb., 1954	1957
Zetland C.C.	Blyth & Blyth	Asbestos cement pipes, intakes, service reservoirs, filtration plant, &c.	Direct labour; Fraser & Ptnrs.; Bigland & Mowat	174,000	1953	1955
Bristol Waterworks Company	T. & C. Hawksley; A. M. Paterson	Chew Valley Lake, road diversions, embankment and ancillary works; capacity 4480 m.g.	A. E. Farr, Ltd.	698,365	1950	1955
Ditto	Bristol Waterworks Company	Chew Stoke pumping station...	Hayward & Wooster, Ltd.; Harland Eng. Co., Ltd.	80,000	1953	1954
Ditto	Bristol Waterworks Company; Underwood & Mander	Stowey treatment works and pumping station ...	A. E. Farr, Ltd.; L. Maslen & Sons, Ltd.; Paterson Eng. Co., Ltd.; Sulzer Bros.	285,000	1952	1954
Ditto	Ditto	750,000-gall. reservoir and 12in main at Horfield, Bristol	Howard Farrow, Ltd.; W. Press & Son, Ltd.	50,000	1954	1955
Ditto	L. G. Mouchel & Partners, Ltd.	500,000-gall. water tower at Durdham Down, Bristol	A. E. Farr, Ltd.	50,000	1954	1955
Helmsley R.D.C.	Arnold Brooksbank	Distribution scheme, 20 miles of water mains, service reservoirs and pumping plant	—	82,000	Jan., 1953	1955
Richmond R.D.C.... ...	Ditto	Regional water scheme	Not yet let	240,000	—	—
Bowland R.D.C.	Ditto	Regional water scheme	Ditto	200,000	1955	1957
Beccles Corpn, Lothingland & Wainford R.D.Cs.	A. P. I. Cotterell & Son ...	Regional water supply scheme	Turners Asbestos Cement Co., Ltd.; E. Thompson, Ltd.; W. Ames, Ltd.	454,500	June, 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Depwade R.D.C.	A. P. I. Cotterell & Son ...	Regional water supply scheme	E. Thompson, Ltd.; Vibrated Concrete Constr. Co., Ltd.; Grocock & Day, Ltd.	587,000	1948	—
Walsingham R.D.C. ...	Ditto	Regional water supply scheme	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; W. Ames, Ltd.	413,000	Oct., 1949	—
Wayland R.D.C.	Ditto	Regional water supply scheme	Staveley Iron & Chemical Co., Ltd.; H. Pointer (Norwich), Ltd.; direct labour	326,000	Mar., 1947	—
Angus and Kincardine C.Cs.	Crouch & Hogg	Loch Lee regional scheme	Not yet let	1,800,000	1955	1960
Orkney C.C.	Ditto	Water supply (mainland), phase II	Direct labour	110,000	1952	1956
Roxburgh C.C.	Ditto	Regional water supply scheme	Not yet let	1,200,000	1955	1960
Wigtown C.C.	Ditto	Penwhirn Burn Dam ; 4½ miles 24in main... ...	Holland & Hannen and Cubitts (Scotland), Ltd.	275,000	1950	1955
		17 miles 18in, 6½ miles 12in., 30 miles 6in mains ; four 150,000-gall. and one 600,000-gall. r.c. tanks	Kings & Co., Ltd.; A. D. Mitchell & Sons (Contrs.), Ltd.	575,000	1953	1955
		1 m.g.d. rapid gravity filtration plant	Holland & Hannen and Cubitts (Scotland), Ltd.	75,000	1953	1955
Buckie T.C.	Ditto	Water supply : 8 miles 10in main ; pumps... ...	Part not yet let ; Sulzer Bros. ...	105,000	1955	1956
Kirkcaldy T.C.	Ditto	Water supply	Not yet let	65,000	1955	1955
Largs T.C.	Ditto	650,000-gall r.c. tank, access road and piping ; 0·75 m.g.d. rapid gravity filtration plant	Baird Bros. (Port Glasgow), Ltd.; A. Skelton, Ltd.; Permutit Co., Ltd.	60,000	1951	1955
Derby Corpn....	Derby Corporation : *I. G. Edwards*	Reconstruction of Little Eaton pumping station : water treatment & pumping plant, r.c. tanks, buildings, 9in—24in mains	Candy Filter Co., Ltd.; Harland Eng. Co., Ltd.; M. J. Gleeson (Contrs.), Ltd.; Stanton Ironworks, Ltd.; direct labour ; part not yet let	237,000	1954	1956
Corpn. of Dundee	Dundee Corpn. Waterworks	Laying 40in dia. steel main with ancillary works, from Lintrathen Loch to Clatto reservoir	Direct labour ; Stewarts & Lloyds ; Glenfield & Kennedy	538,500	Oct., 1951	1956
		500,000-gall. water tower at Gallowhill	C. Dick & Son	45,000	Aug., 1953	1954
Edinburgh Corpn.... ...	Edinburgh Corpn. Water Department	Midlothian regional scheme : West main, 2622 yards 16in and 9866 yards 12in spun iron piping	Direct labour ; Stanton Ironworks Co., Ltd.	80,000	July, 1954	1955
		Replacement of North Pentland aqueduct : first section, 710 yards 24in spun piping ; third section, 2733 yards 27in and 2100 yards 21in spun piping, concrete lined	Direct labour ; Cochranes (Middlesbro') Foundry, Ltd.	62,500	Mar., 1954	1955
		Western main : 1430 yards 20in, 1600 yards 18in, 3400 yards 16in spun piping	Direct labour ; Staveley Iron & Chemical Co., Ltd.; Stanton Ironworks Co., Ltd.	55,000	May, 1954	1955
		Fairmilehead filters : micro-straining plant, capacity 18 m.g.d., with ancillary piping and other works	J. White (Contrs.), Ltd.; Glenfield & Kennedy, Ltd.	64,000	Apr., 1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
West Kesteven R.D.C....	Elliott & Brown	Mains, 12in to 3in, in various parishes	Pawson & Co.; Stanton Ironworks Co., Ltd.; Tolfree & Co., Ltd.	78,000	1953	1954
Melford R.D.C.	Ditto	Central area water schemes	Grocock & Day; Cubitt & Gotts	57,000	1952	1954
Stafford R.D.C.	Ditto	Area water schemes	—	390,000	1954	—
Forehoe & Henstead R.D.C.	Ditto	Regional water supply scheme	E. Thompson, Ltd.; A. J. Holloway, Ltd.	68,600	Nov., 1953	1954
White Hill Service Reservoir	Fife C.C.; *C. Huddleston* ...	3½ m.g. mass concrete service reservoir with stone facing	Jacksons (Edinburgh), Ltd. ...	57,209	Feb., 1954	1956
Regional Water Contract	Ditto	11¾ miles 18in and 24in main	Direct labour	238,000	1955	1957
Hodder Aqueduct ...	Fylde Water Board; *F. Law*	Second line of aqueduct, third and fourth sections, 7½ miles 36in, 5 miles 33in concrete-lined cast iron pipes	Ditto	671,000	June, 1952	1955
Hodder Filters	Ditto	Additional 26 mechanical pressure filters	Bell Bros. (Manchester, 1927), Ltd.	60,000	1954	1955
Nantyglo and Blaina U.D.C.	Sir Alexander Gibb & Partners	Construction of reservoir and distribution mains	Davies, Middleton & Davies, Ltd.	60,000	Mar., 1952	Aug., 1954
Glasgow Corpn. Water Department	Glasgow Corpn. Water Department; *S. D. Canvin*	West Main works: 14,520 yards 36in main ...	Whatlings, Ltd.; J. Miller & Partners, Ltd.	227,000	Mar., 1951	Dec., 1954
		Endrick Valley siphon pipe	McKean & Co. (Glasgow), Ltd.	62,000	Dec., 1952	Nov., 1954
		Blane Valley siphon pipe	J. Miller & Partners, Ltd.	25,000	Oct., 1953	Oct., 1954
		Supply of cast iron and steel pipes and valves ...	Staveley Iron & Chemical Co., Ltd.; Stewarts & Lloyds, Ltd.; Glenfield & Kennedy, Ltd.	407,000	1948	1954
Ditto	Mott, Hay & Anderson ...	Two shafts and tunnel under River Clyde	Kinnear, Moodie & Co., Ltd. ...	380,000	Oct., 1953	1955
Ditto	Glasgow Corpn Water Department; *S. D. Canvin*; F. A. Macdonald & Partners	Service reservoirs and water towers	Holst & Co., Ltd.; Fram R.C. Co. (Scotland), Ltd.; Drummond, Lithgow & Co., Ltd.; Brydon Constr. Co., Ltd.	363,000	Mar., 1953	Sept., 1956
Ditto	Glasgow Corpn. Water Department; *S. D. Canvin*	Glen Finglas works: intake works and tunnel 2½ miles long	Not yet let	866,000	Feb., 1955	1958
Pocklington R.D.C. ...	John H. Haiste & Partners ...	Service reservoirs and mains	H. O. Andrews, Ltd.; Grocock & Day; J. Duncan & Co., Ltd.	105,000	1949	1954
Howden R.D.C.	Ditto	Bore-hole, water main and water tower	Grocock & Day; F. Hall & Sons, Ltd.; Turners Asbestos Cement Co., Ltd.	72,000	1950	1954
Borough of Louth	Ditto	Bore-holes, pumping station and treatment plant	Sulzer Bros. (London), Ltd.; F. Smith & Son, Ltd.; H. O. Andrews, Ltd.	96,000	1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**WATER SUPPLY** (*continued*)		£		
Louth R.D.C.	John H. Haiste & Partners	Pumping stations, reservoirs and mains	Grocock & Day; H. O. Andrews, Ltd.; G. E. Atkin; Tock & Smith, Ltd.; Squire W. Swift, Ltd.; Winton Constr. Co., Ltd.; Ellis Thompson & Co., Ltd.; Sulzer Bros. (London), Ltd.; part not yet let	750,000	1949	—
Horncastle R.D.C. ...	Ditto	Service reservoirs and mains	Squire W. Swift, Ltd.; Turners Asbestos Cement Co., Ltd.; Tock & Smith, Ltd.; Stanton Ironworks Co., Ltd.; part not yet let	505,000	1950	—
Caistor R.D.C.	Ditto	Service reservoirs, pumping stations and mains ...	W. Wilson & Sons (Newcastle), Ltd.; G. Sayner; Stanton Ironworks Co., Ltd.	160,000	1948	1954
East Retford R.D.C. ...	Ditto	Trunk mains	Squire W. Swift, Ltd.; Stanton Ironworks Co., Ltd.; Sulzer Bros. (London), Ltd.	75,000	1953	1954
Esso Petroleum Co.: Fawley Refinery	Sir William Halcrow & Partners	Fresh water reservoir with earth dam	J. Laing & Son, Ltd.	70,000	Oct., 1954	Mar., 1955
St. Thomas R.D.C. ...	Harvey, McGill & Hayes ...	45 miles water mains, 12in–3in, five service reservoirs, 1·13 m.g. total capacity	Exeter Bldg. Contrs., Ltd.... ...	217,000	June, 1951	1954
Wadebridge R.D.C. ...	T. & C. Hawksley	Gravitation supply from River De Lank: intake, pipelines and reservoir	R. Costain, Ltd.; Stanton Ironworks Co.; Stewarts & Lloyds; Guest & Chrimes	450,000	1953	1955
Staffordshire Potteries Water Board	G. H. Hill & Sons (Manchester)	Bore-holes, pumping station and plant	G. Stow & Co., Ltd.; G. Percy Trentham, Ltd.; W. H. Allen Sons & Co., Ltd.	319,000	1951	—
West Cheshire Water Board	Ditto	River Dee supply: pipelines and pumps	R. G. Horton (Engrs.), Ltd.; Salem Eng. Co., Ltd.; South Durham Steel & Iron Co., Ltd.; Stewarts & Lloyds, Ltd.	406,000	1953	1954
		Treatment plant, service reservoir, pumping plant and treatment works	Candy Filter Co., Ltd.; Lane Bros. (Builders), Ltd.; Harland Eng. Co., Ltd.; Mears Bros. (Contrs.), Ltd.	483,000	1953	1956
Exmouth U.D.C.	Ditto	Service reservoir, trunk main and pipes	Exeter Building Contrs.; Counties Plant Co., Ltd.; Cochranes & Co., Ltd.	60,000	1954	1955
Harrogate Corpn.	Ditto	Service reservoir	H. Boot & Sons, Ltd.	69,000	1953	1955
East Lothian Water Board	Ditto	Whiteadder supply: pipelines, pipes, valves, &c.; filter house, intake, pump house and pumps	W. P. MacNamara; Brown Fraser & Co., Ltd.; R. Baillie & Sons, Ltd.; Cochranes (Middlesbro') Foundry, Ltd.; Stewarts & Lloyds, Ltd.; Bell Bros. (M/c), Ltd.; Harland Eng. Co., Ltd.	580,000	1952	1955
Royal Burgh of Inverness	Ditto	Pipelines, pipes, valves, &c.	W. Tawse, Ltd.; Cochranes (Middlesbro') Foundry, Ltd.; Glenfield & Kennedy, Ltd.	50,000	1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Towyn U.D.C.	G. H. Hill & Sons (Manchester)	Pumping and treatment works, service reservoir and pipelines	Davies Bros., Barmouth ; Sulzer Bros. (London), Ltd.; Candy Filter Co., Ltd.	115,000	1953	1955
Heywood and Middleton Water Board	Ditto	Bore-holes, pipelines, pipes, &c.	T. Matthews, Ltd.; J. E. Turner, Ltd.; Clay Cross Co., Ltd.	45,000	1953	1955
Huddersfield Corpn. ...	Huddersfield Corpn.; *J. P. Beveridge*	18in and 15in pipelines	United Kingdom Constr. & Eng. Co., Ltd.; M.R.Q. Constr. Co., Ltd.; Staveley Iron and Chem. Co., Ltd.	53,276	1952	1954
		Filter house and plant	J. Wimpenny & Co., Ltd.; Bell Bros. (M/c 1927), Ltd.	73,557	1953	1954
Ruthin R.D.C.	Sir Herbert Humphries & McDonald	Extension to pressure filtration plant, 7 miles a.c. water main and service reservoir	J. S. Jones, Ltd.	35,000	1954	—
		Service reservoir and approx. 12 miles main up to 6in	C. Hughes & Co., Ltd.	69,000	1954	—
Leamington Spa Corpn.	Ditto	2 m.g. service reservoir, intake and delivery mains up to 24in diameter	Not yet let	70,000	1954	—
Andover R.D.C.	Howard Humphreys & Sons	Regional water supply scheme : stage 1, service reservoir and 23 miles 10in-4in mains	Ormac Constr., Ltd.	130,000	May, 1954	1955
East Kesteven R.D.C. ...	Ditto	Regional water supply, stage 1 : bore-holes, pumping plant, service reservoir and mains	G. Stow & Co., Ltd.; Sulzer Bros. (London), Ltd.; A. Monk & Co., Ltd.; Bosworth & Wakeford, Ltd.	190,000	1952	1954
Hemel Hempstead R.D.C.	Ditto	Markyate & District water supply, stage 1: mains and water towers	W. J. Fayers, Ltd.; A. E. Farr, Ltd.	95,000	1953	1955
Towcester R.D.C. ...	Ditto	Regional water supply : mains, reservoirs and materials	Various	50,000	1955	1957
Lleyn R.D.C.	Ditto	Regional water scheme : 57 miles trunk main 18in-3in, service reservoir and filtration plant	Candy Filter Co.; part not yet let	248,000	1955	—
Rawmarsh U.D.C. ...	Husband & Co.	Service reservoirs to withstand mining subsidence, distribution and trunk mains	Christiani & Nielsen, Ltd.; Tarslag, Ltd.	80,000	1949	1954
Weir Wood Water Board : Weir Wood Scheme	Herbert Lapworth Partners	Impounding reservoir ; earthen dam, 41ft high, 560 yards long, capacity 1270 m.g.	R. Costain, Ltd.	555,000	Sept., 1950	1955
		Treatment works, buildings and plant...	J. Jarvis & Sons ; Candy Filter Co.; Sulzer Bros., Ltd.	200,000	1952	1955
		Ancillary works : two covered service reservoirs (4 m.g. and 1 m.g.), 7 miles 12in and 8in mains, road diversion and emergency intake scheme	Foundation (Plant), Ltd.; S. M. Tidy (Public Works), Ltd.; H. Pannett, Ltd.; Stewarts & Lloyds, Ltd.; Sir L. Parkinson, Ltd.	205,000	1951	1955
Yeovil R.D.C. : Sutton Bingham Scheme	Ditto	Impounding reservoir, earthen dam, 40ft high, 350 yards long, capacity 540 m.g.	Holland & Hannen and Cubitts, Ltd.	401,000	1951	1955
		Treatment works buildings, treatment plant and pumping plant	D. Singleton & Sons ; W. H. Allen, Sons & Co., Ltd.; Bell Bros., Ltd.	150,000	1952	1955
Kerrier R.D.C.	Ditto	Lizard, Manaccan and Mullion intake schemes, 45 miles 8in to 3in spun iron mains, treatment works, towers and service reservoirs	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; E. Thomas & Co., Ltd.; Trethowan Builders, Ltd.; United Filters & Engrg. Co., Ltd.; part not yet let	250,000	1952	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Carmarthen R.D.C. ...	Herbert Lapworth Partners	Llawddog scheme : 20 miles 8in to 3in mains, pumping machinery, service reservoir and treatment works	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Williams Bros.; Harland Eng. Co., Ltd.; Arnold Eng. & Constr. Co., Ltd.; part not yet let	125,000	1953	1955
		Eastern Area : Llyn Llech Owain scheme : Bore-hole, treatment works and pipelines (25 miles)	G. Stow & Co., Ltd.; part not yet let	205,000	1954	1957
Crowborough District Water Co.	Herbert Lapworth Partners ; T. & C. Hawksley	Bore-hole, treatment works, pumping machinery and pipelines	Candy Filter Co., Ltd.; W. H. Allen Sons & Co., Ltd.; S. M. Tidy (Public Works), Ltd.; W. Press & Sons, Ltd.	150,000	1951	1956
Leeds Corpn. Waterworks Dept.	Leeds Corpn. Waterworks Dept.; *K. L. Forster*	Filtration and water treatment plant	Paterson Eng. Co., Ltd.	103,600	—	—
		3876 yards 36in cast iron main	Direct labour ; Staveley Iron & Chem. Co., Ltd.	159,000	1953	—
		4010 yards 24in cast iron main	Ditto	70,000	1954	—
Leicester Corpn. Water Dept.	Leicester Corpn. Water Dept.; *Hal Wallhouse*	2¼ miles 27in trunk main	Whittaker Ellis, Ltd.; Staveley Iron & Chem. Co., Ltd.	96,000	Oct., 1952	Feb., 1954
		1 m.g. service reservoir and 12in trunk mains ...	P. Lind & Co., Ltd.; Kottler & Heron, Ltd.; Stanton Ironworks Co., Ltd.	50,000	May, 1952	Sept., 1954
		2¼ miles 24in trunk main	A. Monk & Co., Ltd.; Stanton Ironworks Co., Ltd.	65,000	Oct., 1954	1955
Cosford R.D.C.	Lemon & Blizard	Regional water supply scheme : 86 miles 12in to 3in mains, pumping station, three r.c. water towers, total capacity 0·55 m.g.	Biggs, Wall & Co., Ltd.; Vibrated Concrete Constr. Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy Ltd.; Pulsometer Eng. Co., Ltd.; part not yet let	400,000	Nov., 1950	—
Isle of Wight Water Board	Ditto	Sandown water supply : 2½ miles 18in pumping main, 1½ m.g. reservoir, river intake works and pumping station	A. Jackaman & Sons ; Cheek Bros.	61,000	Apr., 1953	July, 1955
Birchmoor Water Supply and Drainage Joint Committee	Ditto	2 miles 18in pumping main, two boreholes, booster pumps, pumping station, balancing tank, 1 m.g.	J. M. Hill & Sons, Ltd.; Biggs, Wall & Co.; Lindum Lincoln, Ltd.; Sulzer Bros. (London), Ltd.; Geo. Stow, Ltd.	113,000	Dec., 1951	1955
Wimborne & Cranborne R.D.C.	Ditto	Two ½ m.g. service reservoirs, 5¼ miles 9in and 12in spun iron pumping mains, pumping station with electrically-driven borehole pumping machinery, 3in to 13in spun iron water mains	C. J. Furneaux, Ltd.	113,000	Apr., 1951	Sept., 1954
South Devon Water Board	Ditto	Impounding reservoir, capacity 305 m.g.; gravity dam and access road	W. J. Glossop ; Tarmac, Ltd.; part not yet let	700,000	1953	—
Romsey & Stockbridge R.D.C.	Ditto	3in to 10in spun iron water mains, ½ m.g. r.c. reservoir and 50,000 gall. r.c. reservoir	S. M. Tidy, Ltd.	110,000	Aug., 1954	Aug., 1955
Kingsclere & Whitchurch R.D.C.	Ditto	Boreholes, pumping stations, reservoirs and mains	L. J. Dixon, Ltd.; Collier & Catley, Ltd.; R. E. Rowlands ; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.	350,000	Apr., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
South Cambridgeshire R.D.C.	Lemon & Blizard	15 miles 9in-3in main, steel water tower, 35,000 gal.	Biggs, Wall & Co.; Glenfield & Kennedy, Ltd.; Stanton Ironworks Co., Ltd.; Turners Asbestos Cement, Ltd.; Braithwaite & Co.	57,000	1953	—
Newport Pagnell R.D.C.	Ditto	22 miles of 12in to 3in diameter spun iron mains...	G. Wimpey & Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.	120,000	Oct., 1954	1955
Thingoe R.D.C.; Thedwastre R.D.C.	Ditto	70 miles of 9in to 3in spun iron distribution mains	Biggs, Wall & Co., Ltd.; Stanton Ironworks Co., Ltd.; J. Blakeborough & Sons, Ltd.; F. W. Shanks, Ltd.	900,000	Jan., 1950	—
Gipping R.D.C.	Ditto	Pumping mains, distribution mains and two r.c. water towers, ½ m.g. capacity	Stanton Ironworks Co., Ltd.; Turners Asbestos Cement Co., Ltd.; Glenfield & Kennedy, Ltd.; Guest & Chrimes, Ltd.; Cubitt & Gotts, Ltd.; Biggs, Wall & Co.; part not yet let	250,000	1953	—
Berwickshire C.C.... ...	J. & A. Leslie & Reid... ...	Watch Water scheme: reservoir, mechanical filters, tanks and mains from 21in dia. (First two phases of scheme complete.)	R. Baillie & Sons, Ltd.; W. P. MacNamara, and others	1,065,000	1948	—
		Earnscleugh scheme: intake piping, filters, tanks, &c.	R. Baillie & Sons, Ltd.; W. Bell & Sons; W. P. MacNamara	200,000	1953	—
Laich of Moray Water Board	Ditto	Reservoir, filters, tanks and piping	R. Baillie & Sons, Ltd.; A. Robertson, and others	800,000	1949	1956
Fife C.C....	Ditto	Concrete dam and access road	Holland & Hannen and Cubitts; J. Best, Ltd.	938,000	1949	1955
Stirling C.C.	Ditto	Western regional water scheme; piping, filters and tanks	Stanton Ironworks; Staveley Iron & Chem. Co.; McBride & Co.; part not yet let	336,000	1952	1958
Lanark T.C.	Ditto	New water main	Crowley Russell, Ltd.	53,000	1954	1955
Vyrnwy Aqueduct, Fourth Instalment	Liverpool Corpn. Water Dept.; *J. Stilgoe*	Pipeline, 5½ miles 42in all welded and other works	South Durham Steel & Iron Co., Ltd.; Norwest Constr. Co., Ltd.; Guest & Chrimes, Ltd.	357,000	Oct., 1953	1955
		Booster pumping stations at Bickerton, Norton and Cuerdley	W. H. Allen Sons & Co., Ltd.; Guest & Chrimes, Ltd.; T. Warrington (Ellesmere Port), Ltd., and others; Norwest Constr. Co., Ltd.; direct labour	185,000	Oct., 1953	1955
		Micro-strainers at Oswestry	Glenfield & Kennedy, Ltd.; F. W. Davies & Co., Ltd.; Norwest Constr. Co., Ltd.	195,000	Oct., 1953	1955
		River Weaver crossing	Not yet let	75,000	1955	1955
		River Mersey crossing	Ditto	50,000	1955	1955
St. Asaph R.D.C.... ...	Charles J. Lomax & Son; T. B. Farrington & Son	22 miles water mains, 3in to 8in, two pumping stations and two small service reservoirs	W. Leahy & Co.	120,000	Nov., 1954	May, 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Haydock U.D.C.	Charles J. Lomax & Son ...	R.C. service reservoir, 1¼ m.g. capacity	Not yet let	35,000	Feb., 1955	—
Hamilton B.C.: Daer Scheme	F. A. Macdonald & Partners	4 m.g. covered reservoir...	Hugh B. Kerr	172,000	1952	1955
Lanark C.C.: Daer Scheme	Ditto	8 m.g. covered reservoir...	—			
Manchester Corpn.: Haweswater Aqueduct	Manchester Corpn. Waterworks ; *A. Atkinson*	Construction of Bowland Forest Tunnel (10 miles) ; three shafts and short lengths of cut-and-cover	Cementation Co., Ltd.	2,727,000	Mar., 1948	Completion of Haweswater Aqueduct, first pipeline, April, 1955
		Construction of Marl Hill Tunnel (2½ miles) with short lengths of cut-and-cover ; laying of Hodder siphon (1 mile)	A. Waddington & Son, Ltd. ...	803,500	Oct., 1950, and Apr., 1953	
		Construction of Haslingden and Walmersley Tunnels (11 miles) ; three shafts and short lengths of cut-and-cover	E. Nuttall Sons & Co. (London), Ltd.	2,544,913	Aug., 1949	
		Construction of short tunnels, conduits and siphons—Garnett bridge to Lunesdale North Well and bridge over River Mint	Ditto	1,870,800	July, 1951	
		Laying of Lunesdale siphon	Earth and General Contracts, Ltd.	732,546	Nov., 1951	
		Supply of main control and air and discharge valves	J. Blakeborough & Sons, Ltd. ...	89,910	Nov., 1951	
		Supply, laying and jointing of 54,000 yards of supply and control cables	British Insulated Callender's Construction Co., Ltd.	56,465	Dec., 1951	
		Laying approx. 26,000 yards of 48in steel pipes —Roch and Ribblesdale siphons	Direct labour	626,000	Aug., 1950	
		Laying approximately 9 miles 48in steel pipes—Audenshaw siphon (part only authorised)	Ditto	200,000	Apr., 1954	
		Supply of steel pipes and formers	South Durham Steel & Iron Co., Ltd.	1,250,000	Apr., 1954	
		Pipe bridges over Rivers Ribble and Lune ...	H. Fairclough, Ltd.	120,000	June, 1952	
		Pipe bridges over Rivers Calder and Hodder...	H. Wimpenny & Sons, Ltd. ...	48,000	Aug., 1953	
Ashford Common... ...	Metropolitan Water Board : *H. F. Cronin*	Filtration works and pumping station, pumping mains and appurtenant works	J. Mowlem & Co., Ltd.	4,551,807	Sept., 1947	1956
Chingford	Metropolitan Water Board : *H. F. Cronin ;* L. G. Mouchel & Partners, Ltd.	Chingford South pumping station, machinery, screens and pumping connections	Caffin & Co., Ltd.	190,189	Mar., 1954	1955
Hampton	Metropolitan Water Board : *H. F. Cronin*	Sunnyside pumping station, pumping plant and mains at Hampton Works	F. R. Hipperson & Sons, Ltd.; J. L. Eve Constr. Co., Ltd.; W. H. Allen, Sons & Co., Ltd.	168,000	May, 1947	June, 1954
		Reconstruction of low-level slow sand filter beds	Direct labour	196,000	Mar., 1947	—
Hornsey	Metropolitan Water Board : *H. F. Cronin ;* Binnie, Deacon & Gourley	Contact and balancing tank, low-lift pumping machinery and ancillary works	R. G. Horton (Eng.), Ltd.... ...	116,216	July, 1951	July, 1954
Knockholt	Metropolitan Water Board : *H. F. Cronin*	Service reservoir at Knockholt, Kent	J. Howard & Co., Ltd.	119,000	July, 1954	July, 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Lee Bridge	Metropolitan Water Board : *H. F. Cronin*	Installation of ten rotary strainers at Lee Bridge works	Glenfield & Kennedy, Ltd.; W. & C. French, Ltd.; W. H. Streeter, Ltd.	113,000	June, 1949	Dec., 1954
Mains in Knockholt Area	Ditto	Stage 1 : 3800 yards of 18in and 2500 yards of 12in main	Whittaker Ellis, Ltd.	44,500	Nov., 1953	Nov., 1954
Mains, Edmonton... ...	Ditto	3350 yards of 24in main, Caversham Avenue, Southgate to Great Cambridge Road	W. Press & Son, Ltd....	57,000	Apr., 1954	Feb., 1955
Mains : Kempton to Cricklewood	Ditto	60in main, section No. 4, Abbey Avenue to Cricklewood	J. B. Edwards & Co. (Whyteleafe), Ltd.; South Durham Steel & Iron Co., Ltd.	498,500	June, 1951	July, 1954
Raw Water Main in Tunnel: Thames to Lee Valley	Metropolitan Water Board : *H. F. Cronin ;* Sir William Halcrow & Partners	2900 yards shield-driven tunnel from existing shaft adjacent to West Reservoir, Stoke Newington (complete work about £4,000,000)	Balfour Beatty & Co., Ltd. ...	75,769	Sept., 1954	Sept., 1955
Stoke Newington	Metropolitan Water Board : *H. F. Cronin ;* Binnie, Deacon & Gourley	Contact and balancing tank, low-lift pumping machinery, and ancillary works	R. G. Horton (Eng.), Ltd.... ...	290,871	July, 1951	Oct., 1955
Contact Tanks	Metropolitan Water Board : *H. F. Cronin*	Contact tanks and chemical treatment plant at Darenth, Eynsford and Wansunt	J. B. Edwards & Co. (Whyteleafe), Ltd.	58,706	Sept., 1953	Feb., 1955
Mid - Northamptonshire Water Board	T. & C. Hawksley	Pitsford reservoir	Sir A. McAlpine & Son	690,000	1952	1957
Ditto	Mid - Northamptonshire Water Board : *L. H. Brown*	Pitsford reservoir : treatment works and pumping station, filtration plant, pumping machinery and control gear	Sir A. McAlpine & Son ; West's Piling & Constr. Co.; Candy Filter Co.; W. H. Allen, Sons & Co.; Watford Electric & Manufacturing Co.	420,000	1953	1955
		Pitsford reservoir : 36in raw water main (first section pipes)	Stewarts & Lloyds, Ltd.	33,000	1954	1955
Four Area Schemes ...	Ditto	Pipes, pumping machinery, service reservoirs and water towers, and pipelaying	Stanton Ironworks Co.; Staveley Iron & Chem. Co.; Cochranes (Middlesbro') Foundry, Ltd.; W. H. Allen, Sons & Co., Ltd.; Lehane, Mackenzie & Shand ; Crowley Russell & Co.; A. E. Farr, Ltd.; Bosworth & Wakeford, Ltd.; Kottler & Heron, Ltd.; Norwest Constr. Co.; A. Monk & Co.; Crawshaw, Robbins & Co., Ltd.; direct labour and others	1,023,000	1953	1956
Cheltenham and Gloucester Joint Water Board	L. G. Mouchel & Partners, Ltd.	Two covered reservoirs 1·7 and 1·3 m.g., Churchdown Hill, Gloucester	J. Gerrard & Sons, Ltd.	73,000	1954	—
Castle Ward R.D. Supply	Newcastle and Gateshead Water Company ; *S. G. Barrett*	75 miles 8in to 2in mains, pumping station and r.c. covered service reservoir	Direct labour ; H. N. Marsh & Co., Ltd.	191,000	1954	1956
Bellingham R.D. Supply	Ditto	18¾ miles 6in to 2in mains, 5 r.c. covered service reservoirs, 2 pumping stations, filtration plant and ancillary works	Direct labour	86,000	1953	1955
Blyth Corpn.	Ditto	R.C. covered service reservoir, 3 m.g. capacity...	Ditto	80,000	1955	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**WATER SUPPLY** (*continued*)		£		
Newcastle and Gateshead Water Co.	Newcastle and Gateshead Water Company ; *S. G. Barrett*	8 m.g.d. rapid gravity filtration plant at Throckley	Direct labour ; A. Anderson (Contrs.), Ltd.	95,000	1954	1955
Talybont Pipeline	Newport Corpn. Waterworks	Duplication of 28in and 24in trunk water main (12 miles)	Horseley Bridge & T. Piggott, Ltd.; Willment Bros., Ltd.	301,000	July, 1952	Dec., 1954
		5 m.g. covered service reservoir	Hinkins & Frewin, Ltd.	100,000	June, 1951	Nov., 1954
Market Bosworth R.D.C.	Pick, Everard Keay & Gimson	Southern regional water scheme	Grocock & Day ; Stanton Ironworks Co., Ltd.; Guest & Chrimes, Ltd.	50,500	June, 1954	1955
Oakham R.D.C.	Ditto	Source works, 14 miles of mains, 100,000-gall. water tower	Stamford Constr., Ltd.; Stanton Ironworks Co., Ltd.; T. Lowe & Sons, Ltd.	73,000	July, 1954	1955
Oundle and Thrapston R.D.C.	Ditto	Regional water mains, water tower and source works	Grocock & Day ; T. Lowe & Sons, Ltd.; Stanton Ironworks Co., Ltd.; Loakes & Pettit, Ltd.; Frank Hickman & Co., Ltd.	120,000	Apr., 1954	1955
Uppingham R.D.C. ...	Ditto	Water mains and service reservoir	E. Thompson, Ltd.; Turners Asbestos Cement Co.	50,000	July, 1954	1955
Plymouth City Waterworks : River Tavy Scheme	Plymouth City Water Dept.; *N. G. Elliot*	Construction of dam and pumping station ; 24in pipeline and cable	A. E. Farr, Ltd.; A. Long	187,000	1954	1955
Spade Hill No. 2 Reservoir	Preston Corpn. Water Department ; *E. C. Oakes*	212 m.g. reservoir to supplement supply in Preston area	Direct labour ; L. Fairclough, Ltd.	505,000	1952	1956
Dearne Valley Water Board	W. H. Radford & Son... ...	100,000 g. steel tank reservoir, 250,000 g. r.c. water tower, 10 miles 7in and 9in cast iron mains	Horseley Bridge & T. Piggott, Ltd.; direct labour	110,000	Nov., 1952	—
Matlock U.D.C. Waterworks	Ditto	Two pumping stations and 10,000 g. reservoir ; 3½ miles mains, 8in dia. and smaller	J. W. Wildgoose & Sons, Ltd.; Harland Eng. Co., Ltd.; direct labour	50,000	June, 1951	—
Lurgan and District Waterworks Joint Board	Ernest Reid	Service reservoirs, pumping mains, purification works, 77 miles 16in to 4in spun iron pipes	J. McMullan & Co., Ltd.; Stewart & Ptnrs., Ltd.; White & Co. ; T. Lowe & Sons, Ltd.; B. Pattison Nutt & Co.; City Contrs. Plant Hire Co.; Collen Bros.	1,000,000	Sept., 1950	1954
South Armagh Waterworks Joint Board	Ditto	Service reservoirs, pumping mains, purification works, 34 miles 14in to 7in spun iron pipes	Not yet let	200,000	1954	1956
Anglesey C.C.	Rofe & Raffety	Distribution mains	Stanton Ironworks Co., Ltd.; Blakeborough & Son, Ltd.; P. Lowery & Sons, Ltd.; R. Hughes & Co., Ltd.; North Wales Constr. Co., Ltd.	195,000	1954	1955
Falmouth Corpn.	Ditto	Raising masonry dam, treatment works, service reservoir, mains	Stanton Ironworks Co., Ltd.; Ham Baker & Co., Ltd.; E. Thomas & Co., Ltd.; J. L. Eve Constrn. Co., Ltd.; Paterson Eng. Co., Ltd.	150,000	1954	1956
Gosport Waterworks Co.: Meon Valley Scheme	Ditto	Spun iron mains, 9in to 3in, and service reservoirs	Cochranes(Middlesbrough)Fdry., Ltd.; Glenfield & Kennedy, Ltd.; Campbell & McGill, Ltd.; H. Baker	83,000	1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Gosport Waterworks Co.	Rofe & Raffety	Service reservoir, 14in and 18in spun iron mains, pumping machinery	Cochranes(Middlesbrough)Fdry., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Shellabear Price, Contrs., Ltd.; Henry Osman & Co., Ltd.; Southern Counties Constr. Co., Ltd.; Harland Eng. Co., Ltd.; Ruston & Hornsby, Ltd.	90,000	1953	1956
North Devon Water Board	Ditto	Wistlandpound reservoir : earthen dam ; trunk mains, 18in and 14in ; treatment works ; distribution mains, 3in to 9in	J. Dennis & Son ; Stewarts & Lloyds, Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; direct labour ; United Filters & Eng. Co., Ltd.; Turners Asbestos Cement Co., Ltd.; C. P. Unwin & Sons, Ltd.; Rowse & Sleep, Ltd.; Smith & Lacy, Ltd.; Tancock & Co. Ltd.; part not yet let	1,250,000	1950	1956
East Devon Water Board	Ditto	Trunk mains, 3in and 4in distribution mains, reservoirs, boreholes, and pumping stations	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; W. & J. Glossop, Ltd.; C. P. Unwin & Sons, Ltd.; part not yet let	320,000	1954	1959
Ennerdale R.D.C. ...	Ditto	Trunk and distributing mains, reservoirs, booster station and treatment works	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Border Eng. Co., Ltd.; part not yet let	118,000	1954	1957
Whitehaven Corpn. Waterworks, Lake Ennerdale Scheme	Ditto	Intake, spun iron pipes, 12in to 33in ; pumping station and reservoir	Staveley Iron & Chemical Co., Ltd.; Glenfield & Kennedy, Ltd.; J. Laing & Son, Ltd.; Border Eng. Contrs., Ltd.; P. A. Baines & Sons, Ltd.; Paterson Eng. Co., Ltd.; Harland Eng. Co., Ltd.	568,000	1949	1955
Wey Valley Water Co....	Ditto	Service reservoir and 9in to 12in spun iron mains, borehole and pumping plant	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Hayward Tyler & Co., Ltd.; Stow & Co., Ltd.; A. L. J. Davis (Public Works), Ltd.; H. Baker	110,000	1954	1955
Buxton Corpn.	E. Sandeman, Kennard & Partners	Service reservoir, filtration plant, tank pipelines, &c.	Russell Bldg. & Contr. Co., Ltd.; Bell Bros. (M/c, 1927), Ltd.; Z. & W. Wade (Whaley Bridge) Ltd.	140,000	1953	1955
Dunmow R.D.C.	Ditto	15 miles pipelines, 250,000-gall. water tower ...	G. Chalk ; Vibrated Concrete Constr. Co., Ltd.	90,000	1954	1955
Northallerton & District Water Board	Ditto	Impounding reservoir, pressure filter plant, filter house and trunk main	Stewart & Ptnrs.; United Filters & Eng., Ltd.; W. Thompson (Contr.), Ltd.; Tarslag, Ltd.	300,000	1949	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
North West Sussex Joint Water Board	E. Sandeman, Kennard & Partners	Intake scheme, pumping and filtration plant, pipelines and service reservoirs, pumping stations and filter house	Stewart & Partnrs.; Sulzer Bros. (London), Ltd.; United Filters & Eng., Ltd.; Mears Bros. (Contrs.), Ltd.; K. Andrew & Co., Ltd.	520,000	1952	1954
York Waterworks Company	E. Sandeman, Kennard & Partners; Ritchie & Partners	18in, 15in, 12in pipelines; water tower	W. Press & Son, Ltd.; Leightons (Contrs.), Ltd.	155,000	1953	1955
Sheffield Corpn. Water Dept.	Sheffield Corpn. Water Dept.	Bradfield filters extension	Candy Filter Co., Ltd.; Green Bros. (Dore), Ltd.; direct labour	112,000	Oct., 1952	—
		Swinton-Mexborough 14in trunk main, 4690 yards	Staveley Iron & Chemical Co., Ltd.; direct labour	65,000	Nov., 1953	—
		9in to 18in supply mains to Rotherham and Kiveton Park rural districts, 7379 yards	Ditto	60,000	Nov., 1952	—
		9in and 12in trunk mains, Dore, Totley, Greenhill and Bradway districts, 13,680 yards	Ditto	120,000	May, 1952	—
Freebridge Lynn R.D.C.	Silcock & Simpson	Water mains	F. W. Shanks, Ltd.	62,000	1954	1955
Mildenhall R.D.C. ...	Ditto	Reservoir, water mains, pumping station, &c. ...	T. C. Stewart, Ltd.; F. W. Shanks, Ltd.; Worthington-Simpson, Ltd.	50,000	1953	1955
Spalding R.D.C.	Ditto	Pumping station, piling, reservoir, water towers and water mains	Vibrated Concrete Constr. Co., Ltd.; W. & C. French, Ltd.; Stamford Constr. Co.; Harland Eng. Co., Ltd.	134,000	1953	1955
Wharfedale R.D.C. ...	Ditto	Pumping stations, reservoirs, water mains	B. B. Kirk, Ltd.; Hathorn Davey & Co.; Pulsometer Eng. Co., Ltd.	50,000	1953	1955
Southport & District Water Board: Scarisbrick Scheme	Southport & District Water Board; *N. B. Bennett*	Bore-holes, pumping stations, treatment plant and mains	J. Thom, Ltd.; Staveley Iron & Chem. Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; part not yet let	398,700	Jan., 1954	1956
Sunderland & South Shields Water Co.	Sunderland & South Shields Water Co.	Burnhope pipeline scheme: pressure filters and sludge disposal works	Bell Bros., Ltd.; Holland & Hannen and Cubitts, Ltd.; W. Moss & Sons, Ltd.	222,365	June, 1950	1954
Colne Valley Water Co.	John Taylor & Sons	600 m.g. impounding reservoir	W. & C. French, Ltd.	416,000	1951	1955
		25 m.g. service reservoir	J. Miller & Partners, Ltd.	316,000	1954	1956
Borough of King's Lynn	Ditto	3 m.g. reservoir, pumping station and pumping mains	F. W. Shanks, Ltd.; W. Ames, Ltd.	300,000	1954	1956
Halstead R.D.C.	Ditto	Reservoir, water tower, pumping station and mains	F. R. Hipperson & Son, Ltd. ...	225,000	1953	1955
Blofield & Flegg R.D.C.	Ditto	Reservoir, pumping station and mains	H. Pointer (Norwich), Ltd.... ...	222,000	1954	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Tees Valley Water Board	Tees Valley Water Board ; *T. S. R. Winter*	Rapid gravity filtration plant and two pumping stations at Broken Scar, Darlington, capacity 13½ m.g.d.	Sir L. Parkinson & Co., Ltd.; Gwynnes Pumps, Ltd.; Metropolitan Vickers Co., Ltd.; Paterson Eng. Co., Ltd.; F. W. Brackett & Co., Ltd.; British Pitometer Co., Ltd.	730,000	Mar., 1951	Jan., 1955
		Long Newton pumping station	Tarslag, Ltd.; Gwynnes Pumps, Ltd.; British Pitometer Co., Ltd.	103,000	Dec., 1951	Jan., 1955
		Low Worsall raw water pumping station ; conversion from 6 m.g.d. to 9 m.g.d.	Gwynnes Pumps, Ltd.; Metropolitan-Vickers Co., Ltd.; Yorkshire Hennebique Co., Ltd.	70,000	Oct., 1954	1955
		Nunthorpe service reservoir	Purdie Lumsden & Co., Ltd.; British Pitometer Co., Ltd.	73,000	Oct., 1954	1955
		30in/24in cast iron main from Cargo Fleet to Lackenby	Cochranes (M'bro) Foundry, Ltd.; part not yet let	136,000	Jan., 1955	1955
Ditto	E. Sandeman, Kennard & Partners, Ltd.	Selset impounding reservoir, capacity 2900 m.g. ...	Not yet let	3,000,000	1955	—
Tottiford Filtration Works	Torquay Corpn. Waterworks; *W. F. White*	Extension of filter house and filtration plant ...	Candy Filter Co., Ltd.; J. Lloyd ; direct labour	57,000	Apr., 1954	1955
Southend Waterworks Co.	Leslie Turner & Partners ...	Two 5 m.g. capacity r.c. reservoirs, Oakwood and Downham	Shellabear Price Contrs., Ltd. ...	150,000	Apr., 1954	1955
Tynemouth C.B.	L. G. Mouchel & Partners, Ltd.	R.C. covered service reservoir, 4½ m.g.	Purdie, Lumsden & Co., Ltd. ...	110,000	June, 1951	July, 1954
	Tynemouth Corpn. Waterworks ; *C. F. J. Lisle*	Laying 2 miles 21in. c.i. main and diverting existing 18in main	Direct labour	60,000	Nov., 1953	July, 1954
Wakefield Corpn. : Baitings Reservoir Scheme	Wakefield Corpn. Water Dept. ; *T. E. S. White* ; J. Noël Wood	Impounding reservoir : concrete gravity dam ...	Ditto	1,189,000	1948	1956
Aberystwyth R.D.C. ...	Ward, Ashcroft & Parkman	Main laying, filter house extension and service reservoir	G. Argent & Co.; E. E. Jenkins & Sons ; Bell Brothers, Ltd.; part not yet let	253,000	Nov., 1953	—
Grange - over - Sands U.D.C.	Ditto	Dam, pipeline and filter house	J. McGeoch & Sons, Ltd.	70,000	July, 1954	Jan., 1956
Cleveland Water Co. ...	Waterhouse & Rounthwaite	Impounding and service reservoirs and mains ...	P. A. Baines & Sons (Northern), Ltd.	450,000	May, 1953	1955
Ballymoney R.D.C., Co. Antrim	Ditto	Impounding and service reservoirs and mains ...	—	873,000	—	—
Brecknock R.D.C. ...	A. H. S. Waters	97 miles mains, eight service reservoirs, stream intake, treatment and pumping works	Davies, Middleton & Davies, Ltd.	550,000	Apr., 1953	Sept., 1955
Bridgnorth R.D.C. ...	Ditto	Reservoir and pipeline for low-level area	Delaney & Brennan, Ltd.	87,000	Apr., 1954	Apr., 1956
		Reservoir and pipelines for low-level area	S. D. Talbot, Esq.	90,000	Jan., 1955	Jan., 1957
Devizes R.D.C.	Ditto	South-eastern Area water supply...	Espley & Co., Ltd.	75,000	May, 1954	May, 1956
Oswestry R.D.C.	Ditto	Pumping stations, reservoirs and pipelines for northern and western parishes	Jenks Builders, Ltd.	122,000	Jan., 1953	June, 1955
Pershore R.D.C.	Ditto	Water supply : 38 miles mains and two service reservoirs	Espley & Co., Ltd.	311,000	July, 1952	Mar., 1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Ross and Whitchurch R.D.C	A. H. S. Waters	Water supply : 13 miles mains, pumping station and service reservoir	Ankerdine (Public Works), Ltd.	108,000	Mar., 1954	Mar., 1956
Lydney R.D.C.	J. D. & D. M. Watson... ...	District water supply	R. C. Moore, Ltd.	73,000	July, 1954	—
Rugby R.D.C.	Ditto	Local water supply schemes	Roads & Sewers, Ltd.; Parkside Constr. Co.	76,000	1951–1953	—
Shipston - on - Stour R.D.C.	Ditto	District water supply	Ankerdine (Public Works), Ltd.	297,000	1954	—
Warwick R.D.C.	Ditto	Boreholes and local water supply schemes	Various	86,000	1952	—
Wolverhampton Corpn.	Wolverhampton Corpn. Water Undertaking ; *B. L. McMillan*	24in pumping pipeline, sandbeds repumping station ; r.c. water tower, steel water tower, pump set and rural water mains	Delaney & Brennan, Ltd.; Sulzer Bros. (London), Ltd.; Amies Bros.; T. Vale & Sons, Ltd.; Horseley Bridge & T. Piggott, Ltd.; Harland Eng. Co., Ltd.; W. H. Rogers, Ltd.	84,000	1952	1954
		Service mains and four boreholes	Direct labour ; G. Stow & Co., Ltd.	100,000	1954	1955
		18in pumping pipeline, 8 miles	G. Wimpey & Co., Ltd.	134,000	Nov., 1954	July, 1955
		5 m.g. r.c. service reservoir and mainlaying ..	T. Vale & Sons, Ltd.; direct labour	108,000	June, 1954	June, 1955
ABROAD						
Govt. of the Gold Coast	D. Balfour & Sons	Tamale water supply : pumping main	A. Lang, Ltd.	700,000	June, 1954	Dec., 1955
		Reservoirs, water tower and purification plant ; Swedru and district water supply	Not yet let	2,950,000	1955	—
Magadi Soda Co., Ltd. ...	Ditto	Pipeline, 22 miles, treatment plant and reservoir ...	Direct labour	175,000	Jan., 1953	Dec., 1954
Sudan Light & Power Co., Ltd.	Ditto	Khartoum North water supply	Misr Concrete Co.	125,000	Feb., 1953	—
Colombo Municipality Kalatuwawa Scheme	Binnie, Deacon & Gourley...	Treatment works	Paterson Eng. Co., Ltd.	105,000	1950	—
Hong Kong : Tai Lam Chung Scheme (Crown Agents for Oversea Govts. and Administrations)	Ditto	Gravity dam and ancillary works : first stage 130ft high ; capacity 1150 m.g.	Major Contrs., Ltd., Hong Kong	462,000	1952	—
		Tunnels : 5 miles 6ft-9in dia.	Major Contrs., Ltd.	400,000	1954	—
		Treatment works	Paul Y. Constr. Co., Ltd., Hong Kong	90,000	1954	—
		Filter plant equipment 20 m.g.; pumping plant 25 m.g., steel pipes and specials	Paterson Eng. Co., Ltd.; W. H. Allen Sons & Co., Ltd.; Stewarts & Lloyds, Ltd.	385,000	1952/3	—
Iraq Development Board, Dokan Scheme	Ditto	Concrete arch dam 380ft high, 1170ft crest length, capacity 1,500,000 m.g.	Societe Dumez-Ballot, Paris ...	8,800,000	1954	—
		Grouting sub-contract	Sondages Injections, Forages Paris ; Cementation Co., Ltd.	1,580,000	1954	—
Lusaka (Rhodesia) Water Supply (Crown Agents)	Ditto	Steel pipes and pipelaying	Stewarts & Lloyds, Ltd.; J. Howard & Co. (Africa), Ltd.	286,000	1950	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
ABROAD						
Town Management Board, Mazabuka, Northern Rhodesia	Brian Colquhoun & Partners	Canalised river intake, pumping and treatment works, reservoirs and mains	Not yet let	150,000	—	—
Town Management Board, Choma, Northern Rhodesia	Ditto	Earth dam, pumping and treatment works, r.c. towers and mains	Sir A. McAlpine & Sons, Ltd. ...	150,000	Jan., 1954	July, 1955
Town Management Board, Kafue, Northern Rhodesia	Ditto	River intake, pumping and treatment works, reservoirs and mains	Not yet let	100,000	—	—
Municipality of Ndola, Northern Rhodesia	Ditto	River intake, earth dam, pumping and treatment works, reservoirs and mains	Roberts Constr. Co., Ltd.	600,000	Sept., 1953	—
H.R.H. The Ruler of Kuwait	Ewbank & Partners, Ltd. ...	Sea water evaporation plant 1 m.g.d.; foundations, rafts and superstructure	Gulf Eng. Co., Ltd.	140,000	Dec., 1953	June, 1954
Ditto	Ewbank & Partners, Ltd.; John Taylor & Sons	Water distribution system and storage reservoirs	Gulf Eng. Co., Ltd.; Anaza Co.; Eternit S.p.A.	1,800,000	Oct., 1952	Feb., 1954
Municipality of Tehran, Iran	Sir Alexander Gibb & Partners	Piped water supply to City of Tehran	Local contractors; British and foreign suppliers of plant and materials	8,000,000	1948	—
Govt. of Kenya	Sir Alexander Gibb & Partners (Africa)	Intake works to Mombasa water supply	W. & C. French, Ltd.	110,000	1954	—
Ditto	Howard Humphreys & Sons	Water supply, Northern Frontier Province and Samburu district	Direct labour	420,000	1950	1957
Nairobi City Council ...	Ditto	Sasumua dam, 2000 m.g. capacity, for domestic supplies	Ditto	810,000	Nov., 1953	1956
		Sasumua water-treatment works: first stage, 4 m.g.d.	Mowlem Constr. Co., Ltd.; Candy filter Co., Ltd.	228,000	Jan., 1954	1955
		Kabete–Sasumua pipeline, 38 miles long	W. & C. French, Ltd.	304,000 (part)	1951	—
		Chania River diversion works: tunnel to Sasumua River	Mowlem Constr. Co., Ltd.... ...	92,000	Feb., 1954	1955
		Kabete service reservoirs, first half of 12 m.g. clear water storage	Ditto	246,000	Oct., 1952	Jan., 1955
Govt. of Zanzibar... ...	Ditto	Zanzibar water supply: improvements of waterworks and reticulation	Tanganyika Eng. & Contr. Co. (1950), Ltd.	50,000	June, 1954	1955
Sudan Govt.	Ditto	Public utilities: water supply	Not yet let	373,000	1955	—
Govt. of Tanganyika Territory	Ditto	Tanga water supply: boreholes, 1·3 m.g.d. and extensions to reticulation	Adsco, Ltd.; P.W. Dept.	68,500	Mar., 1952	—
		Tabora water supply: general improvements and soil exploration at dam site	P.W. Dept.; Mowlem Constr. Co., Ltd.	256,500	Oct., 1954	Dec., 1954
Govt. of Sierra Leone ...	Ditto	Water supply of Bo: river pumped supply, filtration plant, mains and r.c. reservoir	Direct labour; English Electric Co., Ltd.; United Filter & Eng., Ltd.	218,000	Apr., 1954	1956
		Freetown water supply, Guma Valley scheme: tunnel, trunk main and service reservoir	Taylor Woodrow (West Africa), Ltd.	500,000	Nov., 1954	1956
Colony of the Gambia ...	Ditto	Bathurst water supply: deep borehole, water tank and new mains	Direct labour; G. Stow & Co....	68,000	1954	—
H.M. Colony of Trinidad and Tobago	Ditto	Water supply to Barrackpore area: borehole supply, trunk mains and reservoirs	Not yet let	125,000	Mar., 1955	—
San Fernando Borough Council, Trinidad	Ditto	Service reservoir and mains	Stantons; Ash & Watson, Ltd.; Direct labour	470,000	1951	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
ABROAD						
Govt. of Trinidad	Howard Humphreys & Sons	Valsayne scheme : St. Augustine reservoir, mains, materials	Ash & Watson, Ltd.; Stewarts & Lloyds, Ltd.; Stanton Ironworks Co.	200,000	1953	1956
		Sum Sum, San Fernando scheme : boreholes and mains, materials	Direct labour ; Stewarts & Lloyds, Ltd.; Janet Tidswell, Ltd.	240,000	1953	1956
Govt. of Jamaica	Ditto	Sealing of Mona reservoir	Soil Mechanics, Ltd.	80,000	1954	1955
Blantyre Limbe Water Supply : Nyasaland Govt.	Scott & Wilson, Kirkpatrick & Partners, Blantyre, Nyasaland	Earth dam, purification works, pipelines	Construction and Investment Co. (Nyasaland), Ltd.	385,000	Apr., 1951	Nov., 1954
Lilongwe Water Supply : Nyasaland Govt.	Ditto	Lilongwe water supply (including extension) ...	Direct labour	74,000	1953	1955
Govt. of Qatar	J. D. & D. M. Watson... ...	Water supply for Doha	Bennett Sons, & Shears, Ltd.; Darwigh Bros., Qatar	840,000	1953	1956

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